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MICHIGAN TRAFFIC ACCIDENT FACTS 1987

prepared by the
Michigan Department of
State Police

PREFACE

In what might be described as grim irony, the 1987 traffic fatality count was identical to the 1986 toll at 1,632. This numerical oddity is of little significance, however, and does nothing to indicate any real improvement in the overall highway safety experience.

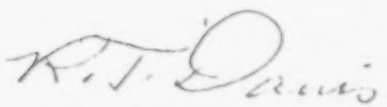
Compared with 1986, injuries were down 1.1 percent, and total accidents were down 0.9 percent. These figures translated into a death rate of 2.2 per 100 million miles of travel, the lowest figure since 1983.

Exposure factors in 1987 showed across the board increases. They included motor vehicle registrations up 1.6 percent to 7.06 million; vehicle travel mileage up 7.2 percent to 75.7 billion; and the number of licensed drivers up 0.7 percent to 7.29 million.

Factors influencing the traffic death toll and rate in 1987 were felt to include the trend toward higher speeds, increased alcohol involvement in fatal accidents, and increased travel. These factors, in combination, tended to counter some of the benefits of increased safety belt usage.

Data on accidents in this booklet were obtained from individual reports and summaries provided by local police departments, sheriff jurisdictions, and the Department of State Police. Other related information was obtained from the Departments of Transportation, State, and Public Health.

We acknowledge, with appreciation, all involved agencies for their assistance.



Col. R.T. Davis
Director
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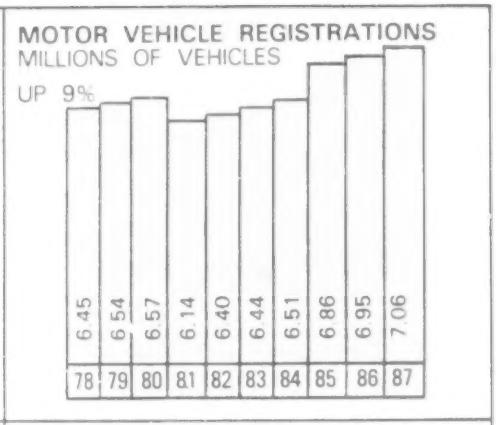
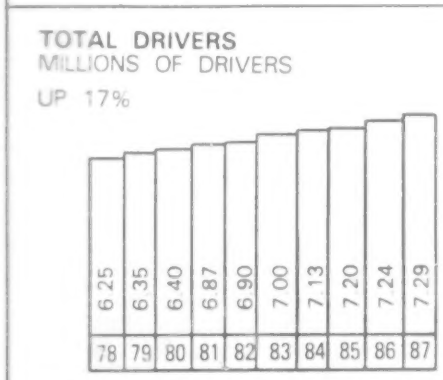
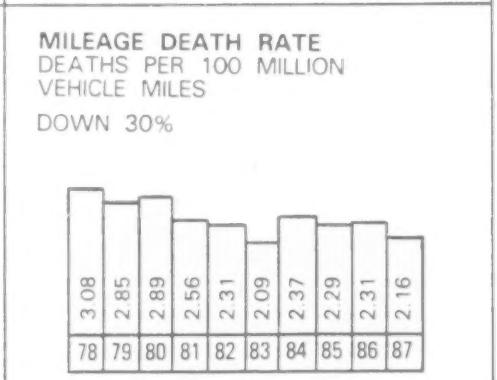
1987 QUICK FACTS

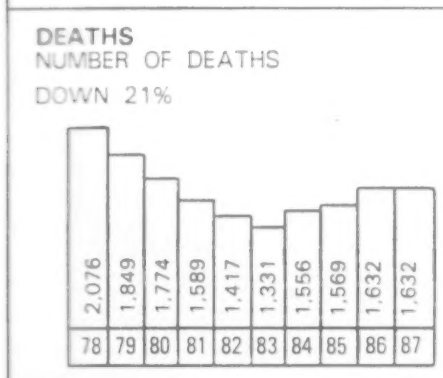
- There were **397,224** reported accidents of which **105,797** were personal injury type and **289,975** were property damage type accidents.
- A traffic accident was reported every **1** minute and **19** seconds.
- Children under the age of 15 accounted for **45.0** percent of the bicycle deaths.
- One person was killed every **5** hours and **22** minutes as a result of a traffic accident.
- Of those fatal accidents where the drinking condition was determined, **48.1** percent indicated that alcohol was a factor.
- There were **156,318** persons injured, crippled, or maimed in accidents.
- One person was injured every **3** minutes and **22** seconds in a traffic accident in Michigan in 1987.
- The economic loss in Michigan traffic accidents amounted to **$2,170,560,000.**
- For each person killed there were **95.8** persons injured.
- Excessive speed was indicated as the hazardous action by **30** percent of the drivers involved in fatal accidents.
- Of the **2,262** drivers involved in fatal accidents, **15.6** percent were under 20 years of age and **30.7** percent of all drivers involved in fatal accidents were under 25 years of age.
- Of all fatal accidents, **30.3** percent occurred at intersections.
- In the last five years, **7,720** persons have been killed in Michigan traffic accidents. This is an average of **1,544** per year. During the previous five-year period, **8,705** persons were killed for an average of **1,741** per year.
- One out of every **5,637** persons living in Michigan was killed in a traffic accident; one out of every **59** persons was injured.
- The **1,632** persons killed were the result of **1,452** fatal accidents for an average of **1.12** deaths per fatal accident.
- **57.8** percent of all accidents occurred in URBAN areas, BUT **71.9** percent of all traffic deaths occurred in RURAL areas.
- The pedestrian death toll for Michigan stands at **232** persons. This represents a decrease of **7** deaths from the 1986 figure.
- For each pedestrian killed, there were **19.0** pedestrians injured.
- Of the pedestrians killed, **35** percent were killed while crossing streets other than at intersections.
- Of the pedestrians killed, **24.6** percent were under the age of 20 years and **28.4** percent were 55 and older.
- During the past five years, a total of **1,213** pedestrians have been killed, an average of **243** per year.
- Of the **931,337** vehicle occupants involved in accidents, a *reported* **737,625** or **79.2** percent were *reported* to have been using occupant restraints.

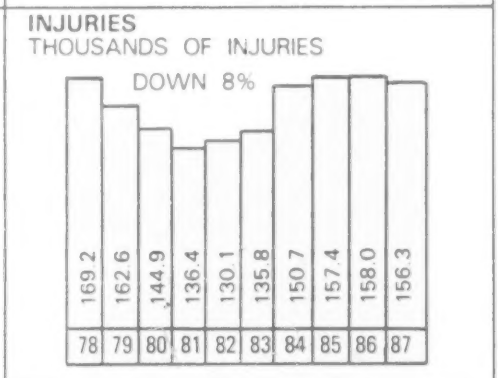
MICHIGAN TRAFFIC TRENDS (1978-1987)

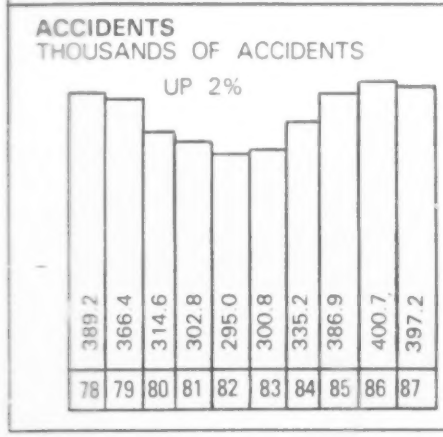


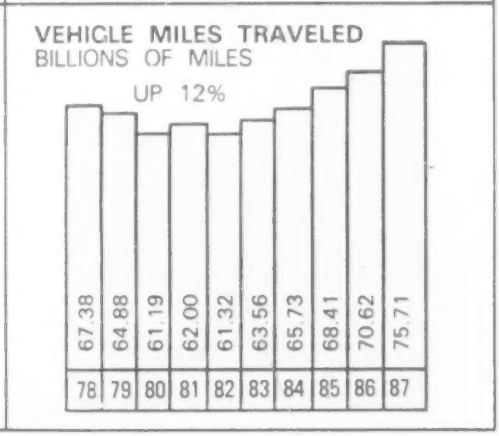












A fatality was counted when a person died due to injuries from a traffic accident, up to one year after the accident. Starting in 1979 this time period was reduced to 90 days after the accident. In 1988 this will become a 30-day count.

1986-1987 SUMMARY TRENDS

- Total accidents decreased **0.9%** statewide.
- Fatal accidents decreased **1.0%**.
- Persons killed tied the 1986 figure.
- Injury accidents decreased **1.4%**.
- Persons injured decreased **1.1%**.
- Persons sustaining "A" type injuries (the most serious) increased **2.1%**.
- Vehicle occupants, driver and passenger deaths increased **1.1%**.
- Non vehicle occupants, pedestrians, bicyclists, motorcyclists, farm equipment, and other deaths decreased **3.1%**.
- Drinking was a factor in **48.1%** of all fatal accidents where the drinking condition was reported, a decrease of **3.0%**.

ANNUAL SUMMARY	1986	1987	PERCENT CHANGE
NUMBER OF ACCIDENTS			
Total Accidents	400,694	397,224	- 0.9
Fatal Accidents	1,466	1,452	- 1.0
Personal Injury Accidents	107,323	105,797	- 1.4
Property Damage Accidents	291,905	289,975	- 0.7
PERSONS KILLED			
Male	1,105	1,091	- 1.3
Female	527	541	+ 2.7
TOTAL	1,632	1,632	0.0
Drivers	808	824	+ 2.0
Passengers	411	408	- 0.7
Pedestrians	239	232	- 2.9
Bicyclists	48	40	- 16.7
Motorcyclists	110	110	0.0
Farm Equipment	6	5	- 16.7
Other	10	13	+ 30.0
TOTAL	1,632	1,632	0.0
DRINKING IN FATAL ACCIDENTS			
Had Been Drinking	721(49.2%)	692(47.7%)	- 4.0
Had Not Been Drinking	733(50.0%)	747(51.4%)	+ 1.9
Unknown Drinking	12 (0.8%)	13 (0.9%)	+ 8.3
PERSONS INJURED			
"A" Injury	23,169	23,652	+ 2.1
"B" Injury	44,728	44,560	- 0.4
"C" Injury	90,135	88,106	- 2.3
TOTAL	158,032	156,318	- 1.1
PERSONS IN ACCIDENTS			
Killed and Injured	159,664	157,950	- 1.1
Not Injured	862,424	851,527	- 1.3
TOTAL	1,022,088	1,009,477	- 1.2

The continuous presence of alcohol as a factor in accidents indicates a need for more legislation in the accident field whereby all drivers involved in accidents would be subjected to a chemical test to determine their blood-alcohol content.

As a measure of accomplishment, Michigan's death rate per 100 million miles has been driven downward from an all-time high of 16.8 in 1935 to the relative low of 2.2 for this year. Applying the 100 million mile death rate unit to the past three decades will reveal marked progress in the effort to save lives on the state's roadways.

A multi-factored effort may be credited with this overall improvement and rests largely on some rather exhaustive participation by several disciplines. Improved highway engineering techniques, technical advances in automobile design and manufacture, emergency medical treatment advancement, more adequately trained drivers, and the efficient use of selective enforcement have all been responsible for this better experience.

Traffic accidents, in general, result from various causes, direct and indirect. The three elements of traffic: the driver, the highway, and the motor vehicle, contribute, in some measure, to every accident. A preponderance of evidence, however, points to driver error as the chief cause of the majority of accidents.

Many common driver failures can be cited as contributory factors in accidents. Without any particular priority, enforcement investigation shows irresponsible attitude, lack of skill, inattention, fatigue, physical impairment, lack of knowledge, and failure to drive defensively as some of the accident-producing factors. It may be noted that the more experienced driver compensates for many of these self-induced mistakes, drawing on learned skills and experiential techniques.

Significantly, driver age group 15-24 represents 19.5 percent of the total licensed drivers in Michigan. However, they account for a disproportionate number of all accidents at 30.6 percent and an involvement of 30.8 percent in all fatal accidents. Comparing other ten-year age groupings with this record underscores the high risk potential of the group and strengthens conclusions drawn from past law enforcement experiences.

One of the best prospects for accident reduction and safer driving is a quality driver education and driver improvement program. This program enrolls 97 percent of eligible students in qualifying courses annually. Driver improvement schools, relating to courts, work to reestablish proper driving skills and attitudes in problem drivers.

With the entrance of the Federal Government into the state traffic safety field (Highway Safety Act of 1966), an acceleration of research and development is producing promising dividends. Variables such as highway design, attitudinal research, and program studies are being given a closer look with an eye toward more comprehensive accident prevention planning. Conclusions cannot be easily reached and the complexity of the total problem demands intensified enforcement participation.

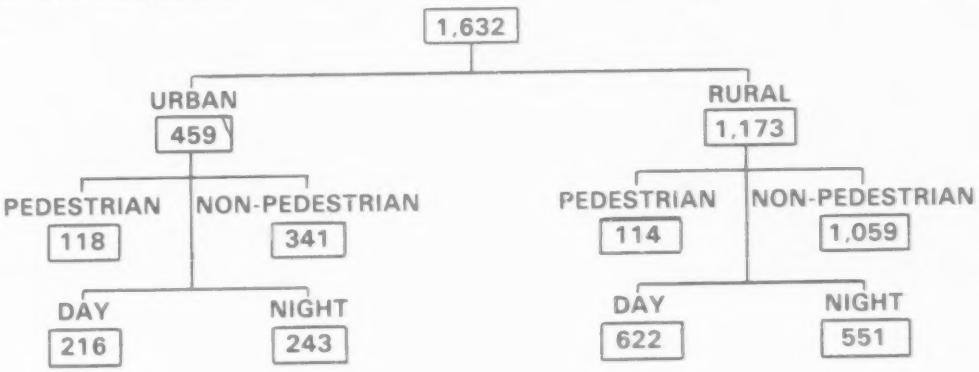
With exposure factors of increased traffic continuing to mount, it is obvious that every effort must be made to implement effective programs. The combined Federal-State jurisdictions will need maximum support from officials and citizens alike if the present trend is to be continued and more lives are to be saved.

PRINCIPAL CLASSES OF MOTOR-VEHICLE DEATHS

About two out of every three deaths in 1987 occurred in places classified as rural. In URBAN areas, 25.7 percent of the victims were pedestrians and in RURAL areas, 88.2 percent of the victims were occupants of motor vehicles. Approximately 49 percent of all deaths occurred in night accidents.

Total Pedestrians 232
Total Non-Pedestrians . 1,400

Total Day 838
Total Night 794



FATAL ACCIDENTS BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.....	2	2	3	4	2	3	6	6	2	5	5	6	46
02.....	4	2	1	7	7	1	8	6	6	6	6	3	57
03.....	1	3	2	4	4	2	5	5	2	6	3	3	40
04.....	*	1	3	2	*	3	4	1	5	7	6	12	44
05.....	2	4	2	2	4	7	6	3	10	4	2	8	54
06.....	3	3	2	3	2	11	5	7	9	2	4	4	55
07.....	4	5	6	5	3	11	4	4	6	5	8	3	64
08.....	2	6	6	4	6	4	2	7	2	5	3	6	53
09.....	6	4	2	2	5	3	5	6	4	8	5	4	54
10.....	2	1	2	6	9	5	1	2	9	3	3	1	44
11.....	2	3	2	2	1	7	8	7	4	4	*	6	46
12.....	3	*	2	3	5	7	3	5	4	2	4	5	43
13.....	3	6	5	1	2	11	1	7	4	7	2	1	50
14.....	3	4	8	1	6	8	2	9	2	1	11	2	57
15.....	3	4	1	1	6	2	1	5	1	5	4	3	36
16.....	5	1	3	2	3	5	8	3	5	7	3	3	48
17.....	5	2	5	5	5	2	3	7	4	8	3	2	51
18.....	2	1	3	6	1	3	9	3	7	5	3	2	45
19.....	*	8	2	2	1	5	8	6	2	5	11	5	55
20.....	*	5	2	*	4	5	5	4	4	7	6	6	48
21.....	1	3	3	4	6	6	4	3	*	5	3	3	41
22.....	4	6	3	3	7	3	3	5	5	4	4	5	52
23.....	2	6	1	2	8	1	4	5	2	2	2	1	36
24.....	2	*	3	3	3	4	5	3	5	5	7	3	43
25.....	2	1	4	3	2	2	4	1	8	1	5	*	33
26.....	3	3	2	8	*	3	8	7	4	1	1	1	41
27.....	2	3	1	4	3	2	5	2	6	2	9	2	41
28.....	2	3	5	*	4	6	3	9	3	2	6	3	46
29.....	3		*	5	2	10	7	8	4	4	2	3	48
30.....	6		3	1	11	2	6	5	1	2	7	1	45
31.....	5		2		3		3	4		13		6	36
TOTALS..	84	90	89	95	125	144	146	155	130	143	138	113	1452

*Deathless Days Holiday Period

PERSONS KILLED BY DATE AND MONTH

Date	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
01.....	2	2	3	4	2	4	6	8	2	7	5	8	53
02.....	4	2	1	8	7	1	9	7	6	7	6	3	61
03.....	1	3	2	5	5	2	5	6	2	7	4	4	46
04.....	*	1	3	2	*	4	4	1	6	9	6	12	48
05.....	2	6	2	3	4	7	6	5	11	4	2	11	63
06.....	3	3	2	3	2	14	5	8	11	2	5	5	63
07.....	5	6	7	5	4	13	5	4	8	6	8	3	74
08.....	2	6	10	6	6	4	2	7	3	5	3	6	60
09.....	6	4	2	2	6	3	5	6	6	8	5	4	57
10.....	2	1	3	8	10	5	1	3	11	4	3	1	52
11.....	2	3	2	2	1	8	8	7	5	4	*	6	48
12.....	3	*	2	3	5	7	4	5	4	2	4	7	46
13.....	3	6	6	1	2	11	1	9	5	8	3	1	56
14.....	3	5	9	1	7	11	2	10	2	1	19	2	72
15.....	4	5	1	2	6	2	1	7	1	5	4	4	42
16.....	5	2	3	3	4	5	8	3	5	7	3	3	51
17.....	6	2	5	6	5	2	3	8	4	10	3	3	57
18.....	2	1	3	6	1	3	9	3	8	5	4	2	47
19.....	*	9	2	2	1	5	8	8	2	6	13	6	62
20.....	*	5	2	*	4	8	5	4	5	7	8	6	54
21.....	1	4	3	4	6	7	4	3	*	7	3	3	45
22.....	4	6	3	3	11	3	3	5	5	4	4	6	57
23.....	3	6	1	2	9	1	5	7	2	2	2	1	41
24.....	2	*	3	3	3	4	5	3	6	8	7	4	48
25.....	2	1	4	3	2	2	5	1	8	2	6	*	36
26.....	4	9	2	8	*	3	8	7	4	1	1	1	48
27.....	2	3	1	5	3	5	5	4	6	2	13	3	52
28.....	2	3	6	*	4	7	3	9	4	3	6	3	50
29.....	3		*	5	2	12	7	8	6	4	2	3	52
30.....	7		4	1	13	2	6	6	1	2	9	1	52
31.....	6		2		3		3	4		15		6	39
TOTALS..	91	104	99	106	138	165	151	176	149	164	161	128	1632

*Deathless Days Holiday Period

This year Michigan experienced 13 deathless days on Michigan highways.

MICHIGAN TRAFFIC ACCIDENT FACTS FOR VARIOUS TIME PERIODS

Accident Facts	During 1987 Per Day	Per Week	Per Month	Yearly Comparisons 1986	1987	% Change 1986-1987
Deaths.....	4.5	31.4	136	1,632	1,632	0.0
Injuries.....	428	3,006	13,026	158,032	156,318	- 1.1
Accidents.....	1,088	7,639	33,102	400,694	397,224	- 0.9
Cost of Accidents.	$5,946,740	$41,741 538	$180,880,000	$1,958,400,000	$2,170,560,000	+10.8
Drivers Involved..	1,841	12,919	55,984	679,235	671,805	- 1.1
Vehicles Involved.	1,843	12,937	56,062	680,139	672,748	- 1.1

WHERE
TRAFFIC FATALITIES
OCCURRED
1987 1632
1986 1632
INCREASED
DECREASED
NO CHANGE

MOTOR VEHICLE DEATHS, MILEAGE, AND RATES BY MONTH

Month	Traffic Deaths					1987 Percentages		
	1983	1984	1985	1986	1987	Percent Deaths	Percent Miles Driven	Death Rate*
January.....	113	93	108	86	91	5.6	7.9	1.5
February....	94	84	91	77	104	6.4	8.0	1.7
March.....	83	104	77	103	99	6.1	8.2	1.6
April.....	91	94	133	127	106	6.5	8.3	1.7
May.....	91	125	137	131	138	8.5	8.3	2.2
June.....	127	143	167	175	165	10.1	8.5	2.6
July.....	121	175	146	186	151	9.2	8.8	2.3
August.....	117	174	136	176	176	10.8	8.8	2.6
September...	131	135	131	131	149	9.1	8.7	2.3
October.....	153	153	135	144	164	10.0	8.3	2.6
November....	115	134	161	159	161	9.9	8.2	2.6
December....	95	142	147	137	128	7.8	8.0	2.1
TOTALS.....	1,331	1,556	1,569	1,632	1,632	100.0	100.0	2.2

*Deaths per 100 million vehicle miles.

In 1987 the highest death total was in August. Over the five year period July and August were tied with the highest average, followed by June.

MOTORCYCLE AND MOTOR SCOOTER DATA

Motorcycle & Motor Scooter Data	1983	1984	1985	1986	1987
Registrations.....	219,929	212,613	203,226	183,933	171,499
Deaths.....	115	151	142	110	103
Death Rate*.....	5.2	7.1	7.0	6.0	6.0
Estimated Mileage**(millions)..	659,787	637,839	609,678	551,799	514,497
Death Rate***.....	17.4	23.6	23.3	20.0	20.2

*Based on 10,000 cycle registrations.
**Based on 3,000 miles per cycle.
***Based on deaths per 100 million vehicle miles traveled.

Motorcycle registrations in 1980 were at a peak with the following years reflecting a gradual decline; 1987 showed a 6.8 percent decrease from 1986, this compated with a 1.6 percent increase in total motor vehicle registrations.

Based on deaths per 10,000 registrations, the mortality rate for motorcycles is 6.0 while deaths for all vehicles is 2.2 per 10,000 registered.

There are no accurate mileage figures for motorcycles, but estimates range from 3,000 to 5,000 miles per year for personal cycles. Such figures indicate that the mileage death rate, based on rider deaths only, may range between 12.0 and 20.2 (deaths per 100 million vehicle miles of travel). This compares with the 1987 death rate for all motor vehicles of 2.2 per 100 million miles which includes pedestrian and other non-occupant deaths among total deaths. There were 1,103 moped involved accidents; in those accidents, 7 persons were killed and 1,006 were injured.

Detailed information can be obtained on Michigan Moped and Michigan Motorcycle and Motor Scooter Data by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN BICYCLE ACCIDENTS

In 1987, there were 40 bicyclists killed and 3,716 injured in 4,307 total reported accidents involving bicycles and motor vehicles. The number killed was 8 less than in 1986, and the injuries recorded were 1.9 percent lower.

Children under 15 years of age accounted for 18 or 45.0 percent of the bicycle deaths in 1987.

Generally, three out of five bicyclists are killed in rural areas. In 1987, rural deaths were 25 and there were 15 in urban areas. Past experience indicates that urban areas have two to three times as many bicycle injuries and total reported accidents compared with rural experience and this was true again in 1987.

Age of Bicyclist Killed	1983	1984	1985	1986	1987
0 - 4 years	1	1	1	0	2
5 - 9 years	5	6	13	8	5
10 - 14 years	15	19	11	14	11
15 - 19 years	8	4	6	10	6
20 - 24 years	3	4	3	2	5
25 - 34 years	4	7	4	4	4
35 - 44 years	1	3	3	1	3
45 - 54 years	3	0	0	2	2
55 - 64 years	2	0	3	1	1
65 - 74 years	0	0	2	1	1
75 and over	3	3	0	5	0
Not Stated	0	0	0	0	0
TOTALS	45	47	46	48	40

Age of Bicyclist Injured	1983	1984	1985	1986	1987
0 - 4 years	50	55	61	47	45
5 - 9 years	523	535	576	636	621
10 - 14 years	1,273	1,266	1,318	1,374	1,319
15 - 19 years	900	874	814	790	759
20 - 24 years	339	341	356	333	331
25 - 34 years	358	328	364	314	340
35 - 44 years	110	104	118	146	128
45 - 54 years	44	47	65	51	61
55 - 64 years	27	41	42	25	49
65 - 74 years	24	28	23	31	20
75 and over	12	8	11	11	9
Not Stated	26	30	37	29	34
TOTALS	3,746	3,657	3,785	3,787	3,716

Detailed information can be obtained on Michigan Bicycle Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN RAILROAD ACCIDENTS

Of the 266 grade crossing accidents which happened in Michigan during 1987, 16 were fatal accidents in which 19 persons were killed. Approximately 78 percent of the vehicles struck were passenger cars; the rest were mostly trucks. One motorcycle and one piece of farm equipment were also involved.

Three out of four drivers involved in these accidents were local residents who either drove too fast and were unable to stop or disregarded a traffic signal or sign.

During the daylight hours 133 or 50.0 percent of the train accidents occurred.

Detailed information can be obtained on Michigan Railroad Accidents by contacting the Michigan State Police, Traffic Services Division.

MICHIGAN MOTOR VEHICLE-DEER INVOLVED/ASSOCIATED ACCIDENTS

Michigan had 38,927 reported motor vehicle-deer accidents during 1987 in which 4 persons were killed as a result of the collision. Over 75 percent of the vehicles involved were passenger cars.

Accidents involving deer occurred most frequently during the fourth quarter (52%) and the first quarter (18%) of the year for a total of 70 percent of all reported motor vehicle-deer collisions.

Over 63 percent of the drivers involved were local residents with 68.5 percent of the accidents occurring during hours of darkness.

Contrary to common belief, motor vehicle-deer accidents are happening in Michigan's southern, heavily populated counties; Kent County had the highest with 1,363 such accidents in 1987.

Detailed information can be obtained on Motor Vehicle-Deer Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

MICHIGAN FARM EQUIPMENT ACCIDENTS

A total of 345 accidents involving farm equipment were reported on Michigan roadways during 1987. Of these accidents, 311 were the result of a collision with another vehicle. In 84 of these accidents, both vehicles were traveling in the same direction resulting in a rear end collision. Of the total accidents, 74.8 percent happened during daylight hours and 81.4 percent happened on dry roads.

Farm equipment accidents claimed the lives of 7 persons on Michigan roadways during 1987. Five of the persons killed were drivers or passengers on the farm equipment, but only one was killed in a collision with another motor vehicle. Of the drivers involved in farm equipment accidents, 82 percent were males.

Detailed information can be obtained on Michigan Farm Equipment Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

SNOWMOBILE ACCIDENTS

Type of Accident	1986-1987 Number of Accidents Total*	Fatal	Injury	PD	Number of Persons Killed	Injured	1985-1986 Accidents	Killed	Injured
Overturned	40	0	39	1	0	41	68	0	69
Other Non-collision	41	1	39	1	1	39	50	0	53
Collision with:									
Pedestrian	3	0	3	0	0	4	6	0	6
M/V in Transport	93	6	45	42	7	60	159	4	138
M/V on Other Roadway	0	0	0	0	0	0	0	0	0
Parked Motor Vehicle	18	2	7	9	2	10	18	1	13
Railroad Train	1	0	0	1	0	0	2	2	1
Pedalcycle	0	0	0	0	0	0	0	0	0
Animal	6	0	4	2	0	4	6	0	2
Fixed Object	91	6	79	6	6	84	94	5	87
Other Object	5	0	4	1	0	5	4	1	2
TOTALS	298	15	220	63	16	247	407	13	371

*Includes 148 Traffic Accidents - 150 Non-Traffic Accidents.

Reflecting the mild winter, snowmobile accidents fell from the previous snow season with total reported accidents down 26.8 percent, deaths up 23.1 percent, and injuries down 33.4 percent. Statistics show Michigan had 69,251 registered snowmobiles during the 1968-1969 snow season. Changes in the reporting of registrations does not allow for a like comparison, but the Michigan Department of State does report that there are 126,637 registrations currently on file.

Snowmobiles in the state of Michigan are not a passing fancy to be dealt with lightly; their popularity has brought with it many complications, particularly those pertaining to safe operation. There must be continuous concern to improve the safety for all persons involved in snowmobiling.

Detailed information can be obtained on Michigan Snowmobile Accidents by contacting the Michigan Department of State Police, Traffic Services Division.

OPERATION C.A.R.E.

In 1987 Operation C.A.R.E. was funded by a federal highway safety grant of $240,000 from the Office of Highway Safety Planning. Operation C.A.R.E. provided 4,407 hours of additional traffic patrol time over the Memorial Day, Fourth of July, and Labor Day weekends. During the three weekend periods, the increased patrols resulted in contacts with 48,000 motorists. Troopers issued 25,575 traffic citations, arrested 531 drugged or intoxicated drivers, and assisted 4,304 motorists.

In addition, Troopers conducted 2,078 liquor inspections, investigated 1,054 accidents, and arrested 1,299 people for criminal violations observed on patrol during the three summer holiday periods.

HOLIDAY DEATH COUNT

	Year	Memorial Day	July 4th	Labor Day
	1974.....	20	34	25
	1975.....	28	27	25
	1976.....	34	19	31
	1977.....	32	34	18
	1978.....	25	23	31
C	1979.....	17	12	31
	1980.....	23	25	26
A	1981.....	12	22	17
	1982.....	9	30	21
R	1983.....	13	22	17
	1984.....	18	8	19
E	1985.....	23	17	17
	1986.....	16	23	21
	1987.....	16	18	32

OCCUPANT RESTRAINTS

Vehicle Occupant Restraint Data	Total Persons	Injury Severity: Fatal	A	B	C	O
Using Restraints.....	737,625	271	8,720	21,969	63,107	643,558
Not Using Restraints.....	193,712	934	10,263	16,021	19,648	146,846
TOTAL OCCUPANTS.....	931,337	1,205	18,983	37,990	82,755	790,404

Since April 1982, Michigan has had a child restraint law, and in July of 1985 a mandatory restraint law went into effect for all front seat occupants. Other countries have been very successful in further reducing the number of deaths and injuries due to traffic accidents by passing laws requiring all vehicle occupants to be restrained.

A review of Michigan restraint data demonstrates a vast difference between reported restraint usage and actual observed usage. Of the total occupants involved in accidents in 1987, a reported 79.2 percent were using restraints, up from the 77.8 percent reported in 1986. Public attitudes must change. Thru long term comprehensive, informational and educational programs designed to impact an entire population the hope is that not only will people report wearing seatbelts, but that they will actually do so.

MONTHLY PERCENTAGE OF OCCUPANT RESTRAINT USAGE

	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual
1978....	15.7	14.5	13.6	12.7	12.8	12.3	12.2	11.7	11.9	11.7	12.2	12.0	12.8
1979....	12.8	11.8	11.6	10.8	11.0	10.5	10.6	10.8	10.8	10.6	11.2	11.3	11.2
1980....	11.0	10.9	11.1	10.3	9.0	8.2	9.6	9.9	10.4	10.8	10.7	11.1	10.3
1981....	11.1	11.1	10.9	10.2	10.1	10.5	10.9	10.5	11.5	11.4	11.3	12.4	11.1
1982....	13.4	13.8	13.8	15.7	15.3	15.1	15.4	14.9	15.8	15.6	17.3	16.5	15.1
1983....	16.8	17.0	17.1	17.2	17.6	17.5	18.1	18.1	17.8	18.9	20.2	20.8	18.2
1984....	21.0	20.4	20.8	20.6	20.9	20.7	22.5	22.6	23.4	24.0	25.5	27.1	22.8
1985....	28.9	28.6	31.0	31.6	31.1	34.9	75.0	73.8	73.4	77.2	78.2	79.4	55.2
1986....	79.2	79.5	77.6	77.2	77.5	77.0	77.0	76.4	77.5	78.4	79.4	79.0	77.8
1987....	79.9	78.0	78.8	79.0	78.2	78.5	78.3	78.8	80.0	80.6	81.0	81.4	79.2

1987
REPORTED RESTRAINT USAGE (PERCENT) BY COUNTY
JANUARY-DECEMBER

1987 - Average Statewide Restraint Usage was 79.2% (as reported).

1986 - Average Statewide Restraint Usage was 77.8% (as reported).

Highlighted Counties had Seatbelt Usage Rates Above (or Tied With) the 1987 Statewide Usage Rate Level.

1987
RESTRAINT USAGE (PERCENT)
BY FATAL "OCCUPANT" VICTIMS BY COUNTY

% of Fatal Occupants Wearing Seatbelts
Number of Fatal "Occupants"

The Average Statewide Seatbelt Usage (by Percent) Among Fatal Vehicle Occupants in 1987 was 22.5%.

AGE OF MAJORITY ACCIDENT DATA

18-20 Year-Olds

One of the most publicized aspects of the drinking and driving problem has been the emphasis on the "young driver," 18 to 20 years of age. Very diverse opinions as to the significance of the data exist among the concerned interest groups. Michigan's legal drinking age returned to 21 in 1979.

The Michigan data reveals that the young drivers are continuing their downward trend (80-87) of involvement in alcohol-involved accidents and O.U.I.L. arrests; this counters an upward trend established in the mid- to late 1970s. The push to remove drunk drivers from the roadways, as viewed by the number of O.U.I.L. arrests in 1983 and '84, began a decline in 1985 that continued thru 1987 as the many reductions in manpower and funding took their toll.

In an attempt to display the most pertinent information for this publication, the following schedules have been selected from the complete study.

DRINKING DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1985	1986	1987	86-87 % Change	1985	1986	1987	86-87 % Change
All	4,980	5,001	4,377	-12.5	39,685	39,626	37,183	- 6.2
Fatal	68	120	85	-29.2	639	706	695	- 1.6
Injury	2,283	2,317	2,070	-10.7	17,935	18,055	17,121	- 5.2
Property Damage	2,629	2,564	2,222	-13.3	21,111	20,865	19,367	- 7.2

ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1985	1986	1987	86-87 % Change	1985	1986	1987	86-87 % Change
All	81,356	80,711	78,110	- 3.2	658,000	679,235	671,635	- 1.1
Fatal	254	254	255	+ 0.4	2,189	2,234	2,262	+ 1.3
Injury	23,543	23,471	22,718	- 3.2	189,914	191,318	189,082	- 1.2
Property Damage	57,559	56,986	55,137	- 3.2	465,897	485,683	480,291	- 1.1

DRINKING DRIVERS IN PERCENT OF ALL DRIVERS INVOLVED IN ACCIDENTS

	18 - 20 YEARS				ALL AGES			
ACCIDENT TYPE	1985	1986	1987	86-87 Change	1985	1986	1987	86-87 Change
All	6.1	6.2	5.6	- 0.6	6.0	5.8	5.5	- 0.3
Fatal	26.8	47.2	33.3	-13.9	29.2	31.6	30.7	- 0.9
Injury	9.7	9.9	9.1	- 0.8	9.4	9.4	9.1	- 0.3
Property Damage	4.6	4.5	4.0	- 0.5	4.5	4.3	4.0	- 0.3

DRIVERS ARRESTED FOR OPERATING UNDER THE INFLUENCE OF LIQUOR (O.U.I.L.)

	18 - 20 YEARS				ALL AGES			
ARRESTS	1985	1986	1987	86-87 % Change	1985	1986	1987	86-87 % Change
Total	6,795	6,612	5,741	-13.2	72,533	71,512	63,966	-10.6
Male	5,893	5,827	4,976	-14.6	63,570	62,993	55,406	-12.0
Female	902	785	765	- 2.5	8,963	8,519	8,560	+ 0.5

BREATH TESTING

Act No. 253, Public Acts of 1967, which became effective November 2, 1967, created "Implied Consent" in Michigan.

Under the National Highway Safety Act, the Federal government provided Michigan with financial assistance to purchase breath testing equipment and train officers in the use of the equipment. A training program was initiated with the cooperation of Michigan State University, Michigan Department of Public Health, Michigan Law Enforcement Officers Training Council, and the Michigan Department of State Police. Training consisted of a comprehensive 40-hour course which was conducted at Michigan State University.

Michigan State University ceased active participation in the program in October, 1978, and the Department of Public Health and Department of State Police continued to train officers, through cooperative efforts, at the Michigan State Police Training Academy and the Detroit Metropolitan Police Academy. Effective April 1, 1981, the Legislature delegated the responsibility of certifying all breathalyzer equipment and operators to the Department of State Police. All basic schools are now conducted by Michigan State Police personnel at the Michigan State Police Academy and at Regional Training Centers.

Police agencies from throughout Michigan participate in the program. Through December, 1988, 7,188 officers will have been trained. In addition to the initial training program, officers are required to be recertified biennially during one-day regional sessions to maintain their proficiency of operation and to keep abreast of the many changes in law an dprocedures. Currently there are nearly 2,300 active operators.

Initially, 246 breathalyzers and 248 simulators were received during the grant period. In 1979 an additional 156 breathalyzers were purchased and distributed to participating agencies. All units are maintained and serviced through a scheduled program by certified inspector-operators from the Michigan State Police and Detroit Police Department.

Test Results	Number of Tests	% of Total Tests	% of Arrests
.00 to .07.....	1,051	2.1	
.08 to .099.....	1,673	3.3	
.10 to .149.....	17,365	34.7	
.15 and over.....	29,986	59.9	
Total breath and blood tests**..	50,075	100.0	78.3
Total tests refused*.....	13,891		21.7
Total persons arrested.....	63,966		100.0

*Based on refusal forms received by Department of State (includes information on certificates of conviction).
**Blood test results available as of April, 1983.

Blood-alcohol levels of .04 are definitely associated with increased accident involvement according to studies. When the alcohol level reaches .06, the probability of having an accident is twice that of the no-alcohol level, at .10 the probability is six times greater, and at .15 it is 25 times greater than if the driver were sober.

O.U.I.L. arrests decreased in 1987, 10.6 percent fewer than in 1986. In 1987 there were 12,872 arrests for drunk driving made at accident scenes.

1987 DRIVER INFORMATION

While the crash phase and post-crash phase are important for the prevention of injury and death in all age groups, the pre-crash phase is especially critical among young drivers. What are his attitudes, motivations, perceptions, and reactions behind the wheel in the critical minutes and seconds before the "point-of-no-escape"? Excessive speed and loss of control, etc., may occur at any age, but never more than among young drivers.

Effective October 6, 1980, legislation was passed which removed the requirement for a road test from students who had successfully completed a Driver Education Course.

Sex of Driver	NUMBER OF DRIVERS Total	Fatal	Injury	Prop. Damage
Male.....	434,517	1,677	117,068	315,772
Female.....	237,288	585	72,059	164,644
TOTALS.....	671,805	2,262	189,127	480,416

Age of Drivers	Fatal Accident Drivers 1986	1987	Percent Change	Percent 1987 Fatal Accident Involvement	*Percent Driving Population
16 years and under...	76	83	+ 9.2	3.7	2.1
17 years.....	78	93	+19.2	4.1	1.9
18 - 19 years.....	174	176	+ 1.1	7.8	4.0
20 - 24 years.....	399	343	-14.0	15.2	11.5
Group Sub-total.....	727	695	- 4.4	30.8	19.5
25 - 34 years.....	559	633	+13.2	28.0	25.5
35 - 44 years.....	348	343	- 1.4	15.2	19.5
45 - 54 years.....	191	189	- 1.0	8.4	12.5
55 - 64 years.....	159	148	- 6.9	6.5	11.1
65 - 74 years.....	117	116	- 0.9	5.1	8.0
75 years and over....	94	87	- 7.4	3.8	3.9
Not Stated.....	39	51	+30.8	2.2	-
Group Sub-total.....	1,507	1,567	+ 4.0	69.2	80.5
TOTAL DRIVERS.....	2,234	2,262	+ 1.3	100.0	100.0

*Based on Secretary of State driver license data.

1983-1987 TOTAL PERSONS KILLED

Age of Persons Killed	1983	1984	1985	1986	1987
0 - 4 years.....	23	29	35	28	46
5 - 9 years.....	35	37	57	32	38
10 - 14 years.....	47	54	55	61	56
15 - 19 years.....	222	249	216	268	273
20 - 24 years.....	232	242	238	251	217
25 - 34 years.....	269	330	317	317	370
35 - 44 years.....	152	168	182	189	200
45 - 54 years.....	109	113	119	118	103
55 - 64 years.....	80	121	121	104	109
65 - 74 years.....	65	110	104	118	106
75 years and over...	95	101	124	144	111
Not Stated.....	2	2	1	2	3
TOTALS.....	1,331	1,556	1,569	1,632	1,632

RESIDENCE OF DRIVER

In approximately three out of four of all motor vehicle traffic accidents, and two out of three fatal accidents, one of the drivers was a local resident. This generally means he lived within 25 miles of the accident location.

Residence of Driver	Drivers, All Accidents		Drivers, Fatal Accidents		Drivers, Injury Accidents		Drivers, PD Accidents	
	Number	% of Total	Number	% of Total	Number	% of Total	Number	% of Total
In County.....	478,430	71.2	1,563	69.1	139,740	73.9	337,127	70.2
Elsewhere in State..	131,720	19.6	548	24.2	37,243	19.7	93,929	19.5
Non-resident.....	10,932	1.6	64	2.8	3,077	1.6	7,791	1.6
Not Stated.....	50,723	7.6	87	3.9	9,067	4.8	41,569	8.7
TOTALS.....	671,805		2,262		189,127		480,416	

ACCIDENT EXPERIENCE BY ROADWAY TYPE

The schedule below provides a detailed breakdown of estimated vehicle mileage, accidents, death rates (deaths per 100 million vehicle miles), and accident rates (accidents per 100 million vehicle miles) for the major roadway types in Michigan.

Statewide	*Estimated Mileage (Billions)	All Accidents	Deaths	Rates		
				Death Rate	Injury Accidents	Total Accidents
Limited Access Roadways...	19.8	29,304	131	0.66	41.8	148.0
U.S. & Michigan Roads.....	19.7	101,717	534	2.71	139.8	516.3
County & Local Roads.....	36.2	266,203	967	2.67	193.3	735.4
TOTALS.....	75.7	397,224	1,632	2.16	139.8	524.7

*1987 Michigan Department of Transportation figures.

OBJECTS HIT

Object Hit by Vehicle	% of Total Objects Hit	Total Objects Hit	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Rural Accidents	Urban Accidents
Guard rail or post	7.4	4,602	29	1,399	3,174	2,925	1,677
Highway sign	10.1	6,253	55	1,518	4,680	3,465	2,788
Street light, utility pole	12.5	7,794	62	3,225	4,507	2,747	5,047
Culvert	0.8	502	7	260	235	450	52
Ditch, embankment, stream	17.3	10,781	36	3,437	7,308	8,902	1,879
Bridge pier or abutment	0.4	274	5	126	143	151	123
Bridge rail or deck	0.6	350	3	125	222	232	118
Tree	16.9	10,535	163	4,807	5,565	7,904	2,631
Highway or railroad signal	0.4	261	3	65	193	85	176
Building	2.6	1,611	15	587	1,009	363	1,248
Mailbox	7.2	4,456	31	915	3,510	3,747	709
Fence	5.5	3,428	26	853	2,549	1,665	1,763
Traffic isle or curb	3.0	1,888	5	297	1,586	478	1,410
Concrete barrier in median	3.6	2,244	5	946	1,293	359	1,885
Other on-trafficway object	7.2	4,494	12	923	3,559	2,227	2,267
Other off-trafficway object	3.7	2,304	15	665	1,624	1,239	1,065
Overhead fixed object	0.6	378	0	23	355	148	230
Not known	0.2	103	1	39	63	33	70
TOTALS	100.0	62,258	473	20,210	41,575	37,120	25,138
PERCENT TOTALS		100.0	0.7	32.5	66.8	59.6	40.4

The above summary lists incidents in which a fixed object was struck, either as the primary object hit or as the secondary object hit (rebound).

REGISTRATION TRANSACTIONS

(Includes Original, Renewal, Correction, and Replacements)

	VEHICLE						OTHER			
Counties	Passenger	Commercial	Trailer	Motorcycle	Total Plates	Total Revenue	Watercraft*	Snowmobile*	Off-Road*	Moped*
Alcona	6,018	2,599	1,773	202	10,592	$ 346,401 92	1,854	372	696	43
Alger	4,234	2,336	1,229	268	8,067	255,841 96	1,346	558	518	41
Allegan	45,139	18,413	11,274	2,180	77,006	3,115,090 71	7,927	1,429	1,931	672
Alpena	17,845	7,709	4,820	562	30,936	1,126,127 70	3,999	912	914	113
Antrim	10,298	4,015	2,739	433	17,485	612,380 83	3,820	633	460	89
Arenac	8,237	3,621	2,342	259	14,459	535,156 09	2,911	523	911	32
Baraga	3,989	2,100	924	150	7,163	249,329 49	718	240	497	13
Barry	25,580	10,244	6,284	1,418	43,526	1,433,033 01	6,590	1,056	1,215	291
Bay	67,256	18,775	15,504	2,263	103,798	3,985,169 31	9,507	2,694	5,985	651
Benzie	7,279	2,800	1,892	320	12,291	385,228 44	2,854	440	298	62
Berrien	96,646	28,373	15,055	3,650	143,724	5,220,354 01	11,192	1,514	1,475	1,389
Branch	21,577	9,064	5,493	1,065	37,199	1,460,082 36	5,122	604	742	261
Calhoun	81,530	21,937	13,271	3,310	120,048	4,154,156 39	9,475	1,114	1,690	1,364
Cass	25,931	10,388	5,280	1,142	42,741	1,455,654 29	7,297	988	692	259
Charlevoix	12,606	4,949	3,073	574	21,202	724,736 00	3,306	797	607	182
Cheboygan	12,321	5,093	3,392	515	21,321	722,569 67	3,993	1,216	1,020	87
Chippewa	14,046	6,773	4,095	592	25,506	944,938 35	4,121	1,705	1,373	144
Clare	13,727	6,062	3,788	466	24,043	816,746 40	3,137	932	915	85
Clinton	31,022	11,110	6,982	1,402	50,516	1,799,502 24	4,574	1,231	1,622	369
Crawford	5,781	2,558	1,633	191	10,163	341,631 47	2,176	575	973	37
Delta	20,979	9,078	5,826	923	36,806	1,276,233 64	3,669	1,213	2,612	240
Dickinson	14,703	6,583	4,215	716	26,217	986,548 07	2,612	734	1,852	259
Eaton	51,289	15,600	10,431	2,278	79,598	2,997,996 93	6,683	1,310	2,288	489
Emmet	15,373	5,731	3,354	588	25,046	941,366 61	3,898	946	615	286
Genesee	265,129	61,807	40,347	8,755	376,038	13,874,966 35	28,740	5,917	12,068	2,835
Gladwin	11,829	5,104	3,475	431	20,839	695,334 59	3,232	704	1,129	57
Gogebic	9,149	4,139	2,126	341	15,755	528,934 51	2,334	724	879	79
Gd. Traverse	40,327	12,731	9,348	1,517	63,923	2,406,036 74	9,152	1,564	2,414	336
Gratiot	21,239	7,935	5,167	998	35,339	1,330,806 32	2,580	722	1,299	233
Hillsdale	22,766	9,678	5,089	1,188	38,721	1,408,075 28	3,517	636	992	283
Houghton	16,327	5,775	2,623	633	25,358	865,668 94	2,357	917	747	107
Huron	21,472	9,142	5,127	887	36,628	1,445,524 44	2,981	1,422	1,005	240
Ingham	170,489	37,049	23,014	6,093	236,645	9,285,321 15	14,852	2,141	3,889	2,037
Ionia	27,472	10,334	6,102	1,274	45,182	1,580,680 27	3,805	718	1,211	435
Iosco	17,548	6,265	4,516	637	28,966	1,005,849 78	4,312	881	1,461	99
Iron	7,099	3,742	2,078	293	13,212	468,832 24	2,088	505	793	48
Isabella	23,807	8,776	5,223	1,033	38,839	1,567,644 27	3,017	676	1,071	258
Jackson	84,773	24,466	14,613	3,496	127,348	4,666,437 90	12,366	1,826	2,371	802
Kalamazoo	132,979	30,542	19,051	4,990	187,562	7,056,814 81	15,783	1,625	2,635	1,316
Kalkaska	6,883	4,067	2,468	358	13,776	792,225 83	1,808	567	535	39
Kent	302,638	72,857	52,112	10,540	438,147	18,730,246 02	35,314	5,317	8,863	4,492
Keweenaw	961	379	180	33	1,553	49,279 88	299	75	111	4
Lake	4,281	2,076	1,219	138	7,714	243,802 83	1,796	360	448	49
Lapeer	40,731	15,564	8,447	1,975	66,717	2,359,262 16	4,697	1,478	2,880	249
Leelanau	9,446	3,341	2,534	356	15,677	535,729 07	3,521	610	201	126
Lenawee	51,200	17,159	9,988	2,379	80,726	2,870,130 44	6,866	2,072	2,180	679
Livingston	68,436	20,039	12,053	2,504	103,032	3,680,394 84	10,378	2,155	2,496	567
Luce	2,990	1,729	1,204	105	6,028	241,656 72	1,164	433	471	26
Mackinac	5,322	2,685	1,665	225	9,897	333,394 28	2,731	1,079	672	52
Macomb	486,707	76,607	50,787	10,785	624,886	24,431,501 17	39,311	7,802	13,118	4,566
Manistee	12,732	5,212	3,122	474	21,540	773,790 06	2,748	485	765	110
Marquette	35,331	13,771	6,985	1,716	57,803	1,943,101 81	5,575	2,018	2,875	304
Mason	14,183	5,583	3,436	624	23,826	834,631 06	3,133	425	579	140
Mecosta	16,565	6,698	3,944	621	27,828	986,666 31	3,456	606	610	118
Menominee	13,613	5,798	3,790	712	23,913	866,509 57	2,200	664	1,134	229
Midland	47,335	12,192	10,137	1,785	71,449	2,389,809 11	7,255	1,055	3,019	362
Missaukee	5,819	3,344	1,942	210	11,315	416,652 50	1,486	518	283	64
Monroe	78,544	23,616	14,557	3,305	120,022	4,489,707 42	8,804	2,361	3,908	1,183
Montcalm	27,242	11,056	6,860	1,220	46,378	1,616,115 86	4,838	915	1,315	547
Montmorency	4,799	2,434	1,561	163	8,957	294,739 66	1,673	689	335	38
Muskegon	93,319	24,441	17,372	4,353	139,485	4,822,120 02	12,496	1,832	4,086	1,547
Newaygo	19,685	8,725	5,385	982	34,777	1,203,318 93	4,689	918	1,305	312
Oakland	714,912	116,526	71,291	16,034	918,763	37,874,370 97	61,541	12,003	15,493	6,424
Oceana	11,639	5,568	2,741	530	20,478	735,994 22	1,981	520	827	143
Ogemaw	9,924	4,923	3,021	368	18,236	716,129 64	2,418	793	730	81
Ontonagon	4,617	2,454	1,371	169	8,611	286,877 75	1,054	572	777	16
Osceola	10,655	4,893	2,664	405	18,617	669,981 03	1,800	564	637	60
Oscoda	4,329	2,150	1,319	153	7,951	267,904 03	1,468	482	526	16
Otsego	9,838	4,245	2,468	388	16,939	685,944 72	2,038	712	599	40
Ottawa	102,358	28,407	23,059	4,183	158,007	6,172,355 17	15,872	2,526	4,332	2,068
Presque Isle	7,483	3,849	2,236	241	13,809	508,739 40	2,216	744	714	56
Roscommon	12,352	4,446	3,605	376	20,779	686,885 15	4,940	1,940	960	152
Saginaw	131,302	30,991	23,253	3,684	189,230	7,170,184 13	15,199	4,122	5,870	1,009
St. Clair	86,547	24,450	14,005	2,954	127,956	4,661,418 66	11,380	2,122	3,322	994
St. Joseph	32,719	12,377	6,760	1,704	53,560	1,883,366 83	6,863	631	891	519
Sanilac	22,218	9,181	4,387	950	36,736	1,375,019 96	1,752	659	912	63
Schoolcraft	4,128	2,239	1,434	181	7,982	296,479 78	1,539	485	1,080	30
Shiawassee	40,083	14,028	8,305	1,909	64,325	2,307,295 12	4,626	1,351	2,424	452
Tuscola	30,832	12,896	8,244	1,485	53,457	1,893,972 35	4,139	1,243	2,837	232
Van Buren	36,160	13,883	6,720	1,595	58,358	1,987,822 98	6,224	773	1,017	529
Washtenaw	162,365	31,278	15,717	5,048	214,408	7,589,091 48	12,990	2,272	2,666	1,379
Wayne	1,236,392	177,877	105,281	24,718	1,544,268	63,964,876 09	68,888	9,626	16,245	10,365
Wexford	14,621	5,564	3,620	600	24,405	893,252 62	3,397	687	752	104
Non-Resident	48,444	16,355	22,041	228	87,068	14,075,491 75	25,670	1,767	1,796	79
Unknown County	–	–	–	–	–	–	4,121	295	1,253	541
TOTALS	5,568,491	1,321,349	837,858	171,499	7,899,197		652,251	126,637	184,715	57,778

* 1986 Michigan Department of State format change; figures reflect the number of registrations on the master file.

ANNUAL REPORT

- There were **1,632** persons killed and **156,318** persons injured in **397,224** reported motor vehicle traffic accidents in Michigan during 1987. Compared with 1986 experience, deaths **remained the same,** injuries decreased 1.1 percent, and total reported accidents showed a **0.9** percent decrease.
- This year deaths were tied with the 1986 total.
- Some exposure factor comparisons between 1987 and 1986 show motor vehicle registrations rose **1.6** percent, vehicle mileage rose **7.2** percent, and licensed drivers increased **0.7** percent.
- With the increase in exposure factors in 1987, the death rate of **2.2** per 100 million miles of travel showed a **4.3** percent decrease from the 1986 figure.
- Urban deaths decreased **15.2** percent, injuries decreased **3.6** percent, and total accidents decreased **2.9** percent as compared to 1986.
- Rural deaths increased **7.5** percent, injuries increased **2.6** percent, and total accidents increased **2.1** percent as compared to 1986.
- Urban areas accounted for **58** percent of all accidents and **28** percent of all traffic deaths.
- Rural areas accounted for **42** percent of all accidents and **72** percent of all traffic deaths.
- Rural areas accounted for **42** percent of all injuries while **58** percent were in urban areas.
- Pedestrian deaths decreased **7** persons from the 1986 figure. Rural pedestrian deaths were up **23** from 1986 and urban pedestrian deaths were down a total of **30** persons.

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD _____ YEAR - 1987

Compiled by the Michigan State Police

Col. R. T. Davis, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE _____

STATEWIDE

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
COLLISION WITH	1. OVERTURNED	12502	141	7104	5257	18965	144	9191	9430	2077	3766	3548	12502	144	9191
	2. OTHER NON-COLLISION	2150	22	532	1596	3619	22	587	3030	135	245	207	2150	22	587
	3. PEDESTRIAN	4317	212	3943	162	10886	218	4191	6477	1482	1505	1204	4317	218	4191
	4. M.V. IN TRANSPORT	252141	678	71156	180307	787304	812	113627	672865	14163	27354	72108	252141	812	113627
	5. M.V. OTHER ROADWAY	101	0	41	60	372	0	97	275	17	36	44	101	0	97
	6. PARKED M.V.	29290	17	2429	26844	37863	19	2986	34858	477	1218	1291	29290	19	2986
	7. RAILROAD TRAIN	266	16	110	140	371	19	146	206	61	55	30	266	19	146
	8. PEDALCYCLIST	4272	40	3610	622	10451	40	3787	6624	786	1900	1701	4272	40	3787
	9. ANIMAL	38265	3	896	37366	60341	3	1020	59318	105	387	528	38265	3	1020
	10. FIXED OBJECT	51841	322	15727	35792	76015	354	20153	55508	4287	8065	7801	51841	354	20153
	11. OTHER OBJECT	2079	1	249	1829	3270	1	333	2936	62	127	144	2079	1	333
	TOTALS	397224	1452	105797	289975	1009477	1632	156118	851527	23652	44560	88106	397224	1632	156318

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
COLLISION WITH	1. OVERTURNED	1898	25	1313	560	2700	25	1602	1073	396	758	448	1898	25	1602
	2. OTHER NON-COLLISION	1710	20	461	1229	2980	20	502	2458	120	219	163	1710	20	502
	3. PEDESTRIAN	4139	206	3773	160	10461	212	3989	6260	1417	1426	1146	4139	212	3989
	4. M.V. IN TRANSPORT	251603	677	70996	179930	785853	810	113361	671482	14100	27285	71976	251603	810	113361
	5. M.V. OTHER ROADWAY	100	0	41	59	369	0	97	272	17	36	44	100	0	97
	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	7. RAILROAD TRAIN	259	16	107	136	360	19	142	199	61	52	29	259	19	142
	8. PEDALCYCLIST	4115	38	3479	598	10071	38	3647	6386	762	1740	1145	4115	38	3647
	9. ANIMAL	38150	3	873	37274	60167	3	995	59169	103	376	516	38150	3	995
	10. FIXED OBJECT	2638	8	478	2152	3950	8	597	3345	99	222	276	2638	8	597
	11. OTHER OBJECT	1934	0	223	1711	3052	0	300	2752	53	114	133	1934	0	300
	TOTALS	306546	993	81744	223809	879763	1135	125232	753396	17128	32228	75876	306546	1135	125232

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	10604	116	5791	4697	16265	119	7789	8357	1681	3008	3100	10604	119	7789
	2. OTHER NON-COLLISION	440	2	71	367	659	2	85	572	15	26	44	440	2	85
COLLISION WITH:	3. PEDESTRIAN	178	6	170	2	425	6	202	217	65	79	58	178	6	202
	4. M.V. IN TRANSPORT	538	1	160	377	1651	2	266	1383	63	71	132	538	2	266
	5. M.V. OTHER ROADWAY	1	0	0	1	3	0	0	3	0	0	0	1	0	0
	6. PARKED M.V.	29290	17	2429	26944	37863	19	2986	34858	477	1218	1291	29290	19	2986
	7. RAILROAD TRAIN	7	0	3	4	11	0	4	7	0	3	1	7	0	4
	8. PEDALCYCLIST	157	2	131	24	380	2	140	238	24	60	56	157	2	140
	9. ANIMAL	115	0	23	92	174	0	25	149	2	11	12	115	0	25
	10. FIXED OBJECT	49203	314	15249	33640	72065	346	19556	52163	4188	7843	7525	49203	346	19556
	11. OTHER OBJECT	145	1	26	118	218	1	33	184	9	13	11	145	1	33
	TOTALS	90678	459	24053	66166	129714	497	31086	98131	6524	12332	12230	90678	497	31086

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	263824	1070	71295	191459
WET	84836	260	23957	60619
SNOWY/ICY	45383	97	9766	35520
OTHER	3181	25	779	2377
TOTAL	397224	1452	105797	289975

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	246604	664	67651	178289
DAWN/DUSK	19826	68	4564	15194
DARKNESS/LIGHTS	38623	244	12015	26364
DARKNESS/NO LIGHTS	90575	468	21367	68740
NOT STATED	1596	8	200	1388
TOTAL	397224	1452	105797	289975

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	46	22	24	0	38	6	2	0	0	0
5 - 9	38	20	18	0	12	21	5	0	0	0
10 - 14	56	37	19	3	23	16	11	1	0	2
15 - 19	273	180	93	128	107	14	6	14	1	3
20 - 24	217	163	54	107	61	19	5	22	0	3
25 - 34	370	281	89	221	48	44	4	51	1	1
35 - 44	200	138	62	116	34	28	3	15	2	2
45 - 54	103	69	34	59	20	17	2	4	0	1
55 - 64	109	67	42	60	18	25	1	3	1	1
65 - 74	106	55	51	73	22	10	1	0	0	0
75 & Over	111	57	54	55	25	31	0	0	0	0
Not Stated	3	2	1	2	0	1	0	0	0	0
TOTAL	1632	1091	541	824	408	232	40	110	5	13

CODE OF INJURY

A — INCAPACITATING INJURY
Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B — NON-INCAPACITATING INJURY
Any injury not incapacitating but evident to others at the scene.

C — POSSIBLE INJURY
No visible injury but complaint of pain or momentary inconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	3066	1595	1471	2	2727	263	45	9	1	19
5 - 9	4968	2639	2329	13	3559	716	621	38	2	19
10 - 14	6317	3255	3062	164	3865	630	1319	310	3	26
15 - 19	29153	14924	14229	15514	10832	623	759	1299	6	120
20 - 24	25093	13627	11466	16947	6053	449	331	1134	7	172
25 - 34	34747	18303	16444	25260	6787	614	340	1473	11	262
35 - 44	20942	9952	10990	15747	3866	377	128	672	5	147
45 - 54	11530	5317	6213	8524	2420	214	61	239	4	68
55 - 64	8869	4048	4821	6297	2198	189	49	72	7	57
65 - 74	5887	2459	3428	3829	1827	152	20	29	1	29
75 & Over	3089	1283	1806	1847	1092	117	9	10	1	13
Not Stated	2657	1297	1360	1499	918	73	34	90	0	43
TOTAL	156318	78699	77619	95643	46144	4417	3716	5375	48	975

STATEWIDE

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	363878	1142	762	380	62312	42332	19980	12287	19978	30047	300424	762	42332	380	19980
2. UNDER 1,000	6904	9	7	2	904	673	231	176	319	409	5991	7	673	2	231
3. 1,000 - 2,500	20107	22	16	6	2339	1944	395	397	720	1222	17746	16	1944	6	395
4. 2,500 - 5,000	29106	25	19	6	3636	3189	447	510	1036	2090	25445	19	3189	6	447
5. 5,000 - 10,000	36382	22	15	7	4507	3919	588	665	1378	2464	31853	15	3919	7	588
6. 10,000 - 25,000	75230	53	39	14	10182	8983	1199	1315	2840	6027	64995	39	8983	14	1199
7. 25,000 - 50,000	111378	56	46	10	15636	13915	1721	1979	4146	9511	95686	46	13915	10	1721
8. 50,000 - 100,000	133786	79	66	13	21227	19006	2221	2268	5537	13422	112480	66	19006	13	2221
9. 100,000 - 250,000	109716	90	63	27	15894	14162	1732	1685	4147	10062	93732	63	14162	27	1732
10. 250,000 OR MORE	122990	134	102	32	19681	17109	2572	2370	4459	12852	103175	102	17109	32	2572
TOTALS	1009477	1632	1135	497	156318	125232	31086	23652	44560	88106	851527	1135	125232	497	31086

MUNICIPALITIES	NUMBER OF ACCIDENTS											THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	157327	989	41022	115316	113624	637	25820	87167	43703	352	15202	28149	157327	989	41022	115316
2. UNDER 1,000	2741	9	617	2115	1897	7	438	1452	844	2	179	663	2741	9	617	2115
3. 1,000 - 2,500	7487	20	1601	5866	5725	15	1298	4412	1762	5	303	1454	7487	20	1601	5866
4. 2,500 - 5,000	10755	24	2572	8159	8596	19	2208	6369	2159	5	364	1790	10755	24	2572	8159
5. 5,000 - 10,000	13408	20	3145	10243	10368	13	2686	7669	3040	7	459	2574	13408	20	3145	10243
6. 10,000 - 25,000	28120	47	7135	20938	22411	36	6160	16215	5709	11	975	4723	28120	47	7135	20938
7. 25,000 - 50,000	41364	55	10858	30451	33579	45	9472	24062	7785	10	1386	6389	41364	55	10858	30451
8. 50,000 - 100,000	48596	76	14464	34056	39931	64	12680	27187	8665	12	1784	6869	48596	76	14464	34056
9. 100,000 - 250,000	40387	85	11059	29243	33109	59	9651	23399	7278	26	1408	5844	40387	85	11059	29243
10. 250,000 OR MORE	47039	127	13324	33588	37306	98	11331	25877	9733	29	1993	7711	47039	127	13324	33588
TOTALS	397224	1452	105797	289975	306546	993	81744	223809	90678	459	24053	66166	397224	1452	105797	289975

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	61037	106	59	47	10063	6800	3263	1526	2646	5891	50868	59	6800	47	3263
2. OTHER FULL CONTROL	11472	25	14	11	1991	1349	642	304	539	1148	9456	14	1349	11	642
3. OTHER U.S. ROUTE	76057	153	122	31	11474	9699	1775	1835	3034	6605	64430	122	9699	31	1775
4. OTHER STATE ROUTES	202774	381	307	74	31136	27569	3567	4825	8076	18235	171257	307	27569	74	3567
5. OTHER MAJOR ART'L.	42559	26	24	2	5840	5408	432	661	1583	3596	36693	24	5408	2	432
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS--N.K.	615578	941	609	332	95814	74407	21407	14501	28682	52631	518823	609	74407	332	21407
TOTALS	1009477	1632	1135	497	156318	125232	31086	23652	44560	88106	851527	1135	125232	497	31086

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. INTERSTATE SYSTEM	24599	91	6939	17569	17706	49	4460	13197	6893	42	2479	4372	24599	91	6939	17569
2. OTHER FULL CONTROL	4705	23	1345	3337	3327	13	857	2457	1378	10	488	880	4705	23	1345	3337
3. OTHER U.S. ROUTE	28073	131	7375	20567	23844	106	6005	17733	4229	25	1370	2834	28073	131	7375	20567
4. OTHER STATE M ROUTES	73644	327	20164	53153	64735	255	17410	47070	8909	72	2754	6083	73644	327	20164	53153
5. OTHER MAJOR ART'L	14681	25	3942	10714	13189	23	3598	9568	1492	2	344	1146	14681	25	3942	10714
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	251522	855	66032	184635	183745	547	49414	133784	67777	308	16618	50851	251522	855	66032	184635
TOTALS	397224	1452	105797	289975	306546	993	81744	223809	90678	459	24053	66166	397224	1452	105797	289975

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	3528	1595	1933	201	62	139	3201	1463	1738	126	70	56
2. CAR TURNING STRAIGHT	257	223	34	3	3	0	240	207	33	14	13	1
3. CAR TURNING LEFT	310	259	51	2	2	0	293	243	50	15	14	1
4. CAR BACKING	147	37	110	5	0	5	140	36	104	2	1	1
5. ALL OTHERS	49	19	30	1	1	0	44	17	27	4	1	3
6. NOT STATED	26	9	17	0	0	0	25	9	16	1	0	1
TOTALS	4317	2142	2175	212	68	144	3943	1975	1968	162	99	63

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	55	1980	99	315	309	267	165	412	209	177	27
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	82	1296	134	342	199	128	105	216	86	74	12
2a. WALKING IN ROADWAY – WITH TRAFFIC	14	254	8	12	30	54	45	76	19	8	2
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	2	43	0	2	9	7	6	15	3	1	0
3. STANDING IN ROADWAY	16	183	1	5	9	47	26	65	20	7	3
4. PUSHING OR WORKING ON VEHICLE IN ROADWAY	3	93	0	1	1	19	17	41	11	0	3
5. OTHER WORKING IN ROADWAY	3	36	0	0	1	3	4	17	10	0	1
6. PLAYING IN ROADWAY	0	43	4	16	14	6	3	0	0	0	0
7. OTHER IN ROADWAY	22	276	9	15	26	41	48	85	32	10	10
8. NOT IN ROADWAY	16	373	10	23	46	56	46	110	45	23	14
9. NOT STATED	19	72	4	6	2	9	3	26	10	10	2
TOTALS	232	4649	269	737	646	637	468	1063	445	310	74

STATEWIDE

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	56126	214	18725	37187
	2a. FROM SAME DIRECTION (both going straight)	15083	4	2815	12264
	2b. SAME – ONE TURN, ONE STRAIGHT	12761	5	2318	10438
	2c. SAME – ONE STOPPED	33951	14	10288	23649
	2d. SAME – ALL OTHERS	2287	0	121	2166
	3a. FROM OPP. DIRECTION (both going straight)	2738	18	1008	1712
	3b. SAME – ONE LEFT TURN, ONE STRAIGHT	17624	48	6748	10828
	3c. SAME – ALL OTHERS	998	1	165	832
	4. NOT STATED	7127	3	582	6542
	TOTALS	148695	307	42770	105618

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	7913	247	2929	4737
	2. GOING SAME DIRECTION (both moving)	31385	44	7049	24292
	3a. ONE CAR PARKED	22163	14	1847	20302
	3b. ONE CAR STOPPED IN TRAFFIC	25236	21	8136	17079
	4a. ONE CAR ENTERING PARKED POS.	82	1	13	68
	4b. ONE CAR LEAVING PARKED POS.	532	1	38	493
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	20586	31	5909	14646
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	23277	28	4564	18685
	6. ALL OTHERS/NOT STATED	1663	1	371	1291
	TOTALS	132837	388	30856	101593

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH., OR RR TRAIN	2570	9	2113	448
		2. FIXED OBJECT	13249	48	3449	9752
		3. OTHER OBJECT OR ANIMAL	1354	0	99	1255
	4. OVERTURNING		1565	6	1003	556
	5. OTHER NONCOLLISION		480	2	187	291
NOT AT INTER.	COLLISION WITH	6. OTHER ROAD VEH., OR RR TRAIN	1968	47	1607	314
		7. FIXED OBJECT	38592	274	12278	26040
		8. OTHER OBJECT OR ANIMAL	38990	4	1046	37940
	9. OVERTURNING		10937	135	6101	4701
	10. OTHER NONCOLLISION		1667	20	345	1302
	11. NOT STATED		3	0	0	3
	TOTALS		111375	545	28228	82602

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	330556	1129	93209	236218
2. SPEED TOO FAST	35188	405	13027	21756
3. SPEED TOO SLOW	241	1	89	151
4. DISREGARD CONTROL/ROW	91539	429	33266	57844
5. WRONG WAY	632	7	253	372
6. LEFT CENTER/IMPROPER PASS/LANE	34781	245	6859	27677
7. IMPROPER TURN/SIGNAL	15507	17	3090	12400
8. IMPROPER BACKING/START	17833	4	893	16936
9. FOLLOWING/UNABLE TO STOP	144160	272	43102	100786
10. OTHER/NOT KNOWN	10633	58	3478	7097
11.				
12.				
13.				
14.				
TOTALS	681070	2567	197266	481237

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	315043	1048	88682	225313
2. OUIL/DRUGS	12575	422	5844	6309
3. RECKLESS/CARELESS	9335	89	4598	4648
4. INATTENTION/III/ETC.	5833	10	2419	3404
5. VIOLATION LICENSE RESTRICTION	37	1	13	23
6. OBSCURED VISION	7452	17	2328	5107
7. DEFECTIVE EQUIPMENT	5219	12	1631	3576
8. LOST CONTROL/LOAD/WIND	191	1	59	131
9. SKIDDING	21581	70	5679	15832
10. OTHER/NOT KNOWN	303804	897	86013	216894
11.				
12.				
13.				
14.				
TOTALS	681070	2567	197266	481237

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1 HEAD ON	9785	264	3684	5837
2 REAR END	42239	46	9145	33048
3 SIDESWIPE - MEETING	92	0	19	73
4 SIDESWIPE - PASSING	914	0	113	801
5 ANGLE	36991	180	14373	22438
6 BACKED INTO	4243	0	246	3997
7 ALL OTHERS	187189	205	46030	140954
8 NOT STATED	79	0	16	63
TOTALS	281532	695	73626	207211

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D
1 PASSENGER CAR	524805	1597	152259	370949
2 PASSENGER CAR AND TRAILER	2467	8	621	1838
3 TRUCK OR TRUCK TRACTOR	85113	352	21162	63599
4 TRUCK TRACTOR AND SEMI TRAILER	10007	90	2250	7667
5 OTHER TRUCK COMBINATION	2837	19	666	2152
6 FARM TRACTOR AND/OR FARM EQUIP	345	6	116	223
7 BUS	1054	8	299	747
8 SCHOOL BUS	1437	8	307	1122
9 MOTORCYCLE/MOTOR SCOOTER	6134	110	4972	1052
10 OTHER/NOT STATED	38549	68	6579	31902
TOTALS	672748	2266	189231	481251

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D
1 HAD BEEN DRINKING	37190	695	17125	19370
2 NOT KNOWN IF DRINKING	60769	59	10970	49740
3 HAD NOT BEEN DRINKING	573846	1508	161032	411306
TOTALS	671805	2262	189127	480416

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D
1 HAD BEEN DRINKING	36226	692	16665	18869
2 NOT KNOWN IF DRINKING	23197	13	2730	20454
3 HAD NOT BEEN DRINKING	337801	747	86402	250652
TOTALS	397224	1452	105797	289975

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D
1 HAD BEEN DRINKING	208	72	134	2
2 NOT KNOWN IF DRINKING	3927	87	3672	168
3 HAD NOT BEEN DRINKING	735	105	620	10
TOTALS	4870	264	4426	180

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D
1 15 AND YOUNGER	2124	25	1134	965
2 16	22750	58	6868	15824
3 17	26116	93	7881	18142
4 18 TO 19	48688	176	14711	33801
5 20 TO 24	105574	343	31594	73637
6 25 TO 34	161423	633	47358	113432
7 35 TO 44	102797	343	29224	73230
8 45 TO 54	56535	189	16129	40217
9 55 TO 64	42610	148	12136	30326
10 65 TO 74	25895	116	7508	18271
11 75 AND OLDER	12660	87	3587	8986
12 NOT STATED *	64633	51	10997	53585
TOTALS	671805	2262	189127	480416
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1 MALE	434517	1677	117068	315772
2 FEMALE	237288	585	72059	164644
TOTALS	671805	2262	189127	480416

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D
1 LOCAL RESIDENT	478430	1563	139740	337127
2 RESIDING ELSEWHERE	131720	548	37243	93929
3 NON RESIDENT	10932	64	3077	7791
4 NOT STATED	50723	87	9067	41569
TOTALS	671805	2262	189127	480416
DRIVERLESS MOVING	943	4	104	835

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths	1632	1632	0.0 %
2. Estimated Motor Veh. Mileage Traveled (billions)	75.7	70.6	+7.2 %
3. Death Rate Per 100-Million-Vehicle-Miles	2.2	2.3	-4.3 %
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles	1.9	2.1	-9.5 %

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD YEAR - 1987

Compiled by the Michigan State Police

Col. R. T. Davis, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE _____

URBAN

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	1896	18	1242	636	2691	19	1548	1124	346	701	501	1896	19	1548
	2. OTHER NON COLLISION	834	6	220	608	1395	6	248	1141	56	106	86	834	6	248
COLLISION WITH:	3. PEDESTRIAN	3375	109	3137	129	8417	110	3308	4999	1103	1192	1013	3375	110	3308
COLLISION WITH:	4. M.V. IN TRANSPORT	173910	192	47371	126347	534939	207	72961	461771	6962	16139	49860	173910	207	72961
COLLISION WITH:	5. M.V. -OTHER ROADWAY	59	0	26	33	220	0	60	160	11	24	25	59	0	60
COLLISION WITH:	6. PARKED M.V.	24387	6	1942	22439	31181	6	2351	28824	346	976	1029	24387	6	2351
COLLISION WITH:	7. RAILROAD TRAIN	135	3	57	75	174	3	65	106	21	27	17	135	3	65
COLLISION WITH:	8. PEDALCYCLIST	3247	15	2737	495	7917	15	2854	5048	543	1370	941	3247	15	2854
COLLISION WITH:	9. ANIMAL	1129	0	30	1099	1739	0	31	1708	3	14	14	1129	0	31
COLLISION WITH:	10. FIXED OBJECT	19879	85	5705	14089	28686	93	7216	21377	1384	2947	2885	19879	93	7216
COLLISION WITH:	11. OTHER OBJECT	818	0	90	728	1229	0	121	1108	17	47	57	818	0	121
	TOTALS	229669	434	62557	166678	618588	459	90763	527366	10792	23543	56428	229669	459	90763

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	720	6	539	175	954	6	637	311	140	321	176	720	6	637
	2. OTHER NON-COLLISION	740	5	209	526	1256	5	233	1018	54	99	80	740	5	233
COLLISION WITH:	3. PEDESTRIAN	3262	108	3027	127	8162	109	3183	4870	1068	1142	973	3262	109	3183
COLLISION WITH:	4. M.V. IN TRANSPORT	173689	192	47314	126183	534320	207	72886	461227	6953	16122	49811	173689	207	72886
COLLISION WITH:	5. M.V. -OTHER ROADWAY	58	0	26	32	217	0	60	157	11	24	25	58	0	60
COLLISION WITH:	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLLISION WITH:	7. RAILROAD TRAIN	132	3	55	74	169	3	62	104	21	25	16	132	3	62
COLLISION WITH:	8. PEDALCYCLIST	3117	14	2628	475	7608	14	2742	4852	529	1318	895	3117	14	2742
COLLISION WITH:	9. ANIMAL	1127	0	30	1097	1737	0	31	1706	3	14	14	1127	0	31
COLLISION WITH:	10. FIXED OBJECT	1681	6	275	1400	2445	6	336	2103	59	120	157	1681	6	336
COLLISION WITH:	11. OTHER OBJECT	774	0	85	689	1165	0	113	1052	12	45	56	774	0	113
	TOTALS	185300	334	54188	130778	558033	350	80283	477400	8850	19230	52203	185300	350	80283

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D	TOTAL OCCUP	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
COLLISION WITH:	1. OVERTURNED	1176	12	703	461	1737	13	911	813	206	380	325	1176	13	911
	2. OTHER NON COLLISION	94	1	11	82	139	1	15	123	2	7	6	94	1	15
	3. PEDESTRIAN	113	1	110	2	255	1	125	129	35	50	40	113	1	125
	4. M.V. IN TRANSPORT	221	0	57	164	619	0	75	544	9	17	49	221	0	75
	5. M.V. OTHER ROADWAY	1	0	0	1	3	0	0	3	0	0	0	1	0	0
	6. PARKED M.V.	24387	6	1942	22439	31181	6	2351	28824	346	976	1029	24387	6	2351
	7. RAILROAD TRAIN	3	0	2	1	5	0	3	2	0	2	1	3	0	3
	8. PEDALCYCLIST	130	1	109	20	309	1	112	196	14	52	46	130	1	112
	9. ANIMAL	2	0	0	2	2	0	0	2	0	0	0	2	0	0
	10. FIXED OBJECT	18198	79	5430	12689	26241	87	6880	19274	1325	2827	2728	18198	87	6880
	11. OTHER OBJECT	44	0	5	39	64	0	8	56	5	2	1	44	0	8
	TOTALS	44369	100	8369	35900	60555	109	10480	49966	1942	4313	4225	44369	109	10480

ROAD SURFACE	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DRY	154308	333	42932	111043
WET	53084	84	15254	37746
SNOWY/ICY	20772	11	4081	16680
OTHER	1505	6	290	1209
TOTAL	229669	434	62557	166678

LIGHT CONDITION	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
DAYLIGHT	157228	189	41858	115181
DAWN/DUSK	8957	13	2407	6537
DARKNESS/LIGHTS	32849	186	10189	22474
DARKNESS/NO LIGHTS	29507	45	7971	21491
NOT STATED	1128	1	132	995
TOTAL	229669	434	62557	166678

AGE	NUMBER OF PERSONS KILLED									
	TOTAL	MALE	FEMALE	DRIVER	PASS	PED	PEDAL CYCLE	M/CYCLE	FARM	OTHER
0 - 4	6	3	3	0	1	3	2	0	0	0
5 - 9	13	6	7	0	2	8	3	0	0	0
10 - 14	12	8	4	0	1	8	3	0	0	0
15 - 19	55	39	16	23	19	6	1	6	0	0
20 - 24	54	36	18	20	14	7	3	10	0	0
25 - 34	105	82	23	50	14	22	1	18	0	0
35 - 44	67	44	23	33	8	20	1	5	0	0
45 - 54	26	15	11	13	5	7	0	1	0	0
55 - 64	39	28	11	17	5	14	1	1	0	1
65 - 74	37	21	16	26	4	7	0	0	0	0
75 & Over	44	22	22	19	10	15	0	0	0	0
Not Stated	1	0	1	0	0	1	0	0	0	0
TOTAL	459	304	155	201	83	118	15	41	0	1

CODE OF INJURY

A — INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B — NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C — POSSIBLE INJURY

No visible injury but complaint of pain or momentary unconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS	PED	PEDAL CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1797	937	860	0	1515	227	35	5	0	15
5 - 9	3028	1627	1401	3	1991	562	440	20	0	12
10 - 14	3652	1902	1750	42	1984	484	969	161	0	12
15 - 19	14630	7192	7438	7365	5414	432	598	765	1	55
20 - 24	14332	7235	7097	9565	3443	342	285	600	0	97
25 - 34	20834	10392	10442	15098	4090	490	267	739	1	149
35 - 44	12725	5826	6899	9582	2347	311	96	296	0	93
45 - 54	7036	3165	3871	5213	1460	174	44	102	1	42
55 - 64	5594	2472	3122	4022	1322	154	36	24	0	36
65 - 74	3640	1546	2094	2398	1073	127	16	11	0	15
75 & Over	1842	733	1109	1087	645	91	8	1	0	10
Not Stated	1653	799	854	926	551	59	29	60	0	28
TOTAL	90763	43826	46937	55301	25835	3453	2823	2784	3	584

URBAN

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	29106	25	19	6	3636	3189	447	510	1036	2090	25445	19	3189	6	447
5. 5,000 - 10,000	36382	22	15	7	4507	3919	588	665	1378	2464	31853	15	3919	7	588
6. 10,000 - 25,000	75230	53	39	14	10182	8983	1199	1315	2840	6027	64995	39	8983	14	1199
7. 25,000 - 50,000	111378	56	46	10	15636	13915	1721	1979	4146	9511	95686	46	13915	10	1721
8. 50,000 - 100,000	133786	79	66	13	21227	19006	2221	2268	5537	13422	112480	66	19006	13	2221
9. 100,000 - 250,000	109716	90	63	27	15894	14162	1732	1685	4147	10062	93732	63	14162	27	1732
10. 250,000 OR MORE	122990	134	102	32	19681	17109	2572	2370	4459	12852	103175	102	17109	32	2572
TOTALS	618588	459	350	109	90763	80283	10480	10792	23543	56428	527366	350	80283	109	10480

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2. UNDER 1,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3. 1,000 - 2,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4. 2,500 - 5,000	10755	24	2572	8159	8596	19	2208	6369	2159	5	364	1790	10755	24	2572	8159
5. 5,000 - 10,000	13408	20	3145	10243	10368	13	2686	7669	3040	7	459	2574	13408	20	3145	10243
6. 10,000 - 25,000	28120	47	7135	20938	22411	36	6160	16215	5709	11	975	4723	28120	47	7135	20938
7. 25,000 - 50,000	41364	55	10858	30451	33579	45	9472	24062	7785	10	1386	6389	41364	55	10858	30451
8. 50,000 - 100,000	48596	76	14464	34056	39931	64	12680	27187	8665	12	1784	6869	48596	76	14464	34056
9. 100,000 - 250,000	40387	85	11059	29243	33109	59	9651	23399	7278	26	1408	5844	40387	85	11059	29243
10. 250,000 OR MORE	47039	127	13324	33588	37306	98	11331	25877	9733	29	1993	7711	47039	127	13324	33588
TOTALS	229669	434	62557	166678	185300	334	54188	130778	44369	100	8369	35900	229669	434	62557	166678

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP.	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	37744	43	25	18	6317	4716	1601	784	1545	3988	31384	25	4716	18	1601
2. OTHER FULL CONTROL	6733	3	3	0	1230	940	290	161	286	783	5500	3	940	0	290
3. OTHER U.S. ROUTE	36441	34	23	11	5226	4781	445	635	1201	3390	31181	23	4781	11	445
4. OTHER STATE M ROUTES	110136	77	62	15	16115	15016	1099	1879	3759	10477	93944	62	15016	15	1099
5. OTHER MAJOR ART'L.	35521	18	17	1	4726	4405	321	493	1277	2956	30777	17	4405	1	321
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS--N.K.	392013	284	220	64	57149	50425	6724	6840	15475	34834	334580	220	50425	64	6724
TOTALS	618588	459	350	109	90763	80283	10480	10792	23543	56428	527366	350	80283	109	10480

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D
1 INTERSTATE SYSTEM	14694	40	4407	10247	11318	24	3145	8149	3376	16	1262	2098	14694	40	4407	10247
2 OTHER FULL CONTROL	2500	3	832	1665	1914	3	608	1303	586	0	224	362	2500	3	832	1665
3 OTHER U.S. ROUTE	12438	32	3494	8912	11142	23	3143	7976	1296	9	351	936	12438	32	3494	8912
4 OTHER STATE M ROUTES	37480	73	10850	26557	34217	58	9996	24163	3263	15	854	2394	37480	73	10850	26557
5 OTHER MAJOR ART'L	12163	17	3227	8919	11007	16	2972	8019	1156	1	255	900	12163	17	3227	8919
6 COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7 LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8 OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9 LOCAL ROADS – N K	150394	269	39747	110378	115702	210	34324	81168	34692	59	5423	29210	150394	269	39747	110378
TOTALS	229669	434	62557	166678	185300	334	54188	130778	44369	100	8369	35900	229669	434	62557	166678

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER	NOT AT INTER	TOTAL	AT INTER	NOT AT INTER	TOTAL	AT INTER	NOT AT INTER	TOTAL	AT INTER	NOT AT INTER
1 CAR GOING STRAIGHT	2699	1375	1324	101	43	58	2498	1270	1228	100	62	38
2 CAR TURNING STRAIGHT	224	194	30	2	2	0	212	183	29	10	9	1
3 CAR TURNING LEFT	273	231	42	2	2	0	259	218	41	12	11	1
4 CAR BACKING	118	32	86	3	0	3	113	31	82	2	1	1
5 ALL OTHERS	39	15	24	1	1	0	34	13	21	4	1	3
6 NOT STATED	22	8	14	0	0	0	21	8	13	1	0	1
TOTALS	3375	1855	1520	109	48	61	3137	1723	1414	129	84	45

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a CROSSING AT INTERSECTION OR IN CROSSWALK	40	1717	88	263	260	222	146	372	189	151	26
1b CROSSING NOT AT INTERSECTION OR IN CROSSWALK	39	988	112	259	144	95	85	169	66	47	11
2a WALKING IN ROADWAY – WITH TRAFFIC	2	128	7	7	14	21	22	42	7	6	2
2b WALKING IN ROADWAY – AGAINST TRAFFIC	1	22	0	2	4	1	2	9	3	1	0
3 STANDING IN ROADWAY	10	130	1	3	8	27	19	51	16	4	1
4 PUSHING OR WORKING ON VEHICLE IN ROADWAY	0	59	0	1	0	7	9	33	7	0	2
5 OTHER WORKING IN ROADWAY	1	23	0	0	1	1	1	14	5	0	1
6 PLAYING IN ROADWAY	0	25	3	8	9	2	3	0	0	0	0
7 OTHER IN ROADWAY	13	194	7	8	22	25	31	62	24	7	8
8 NOT IN ROADWAY	6	247	9	17	29	31	29	79	26	19	8
9 NOT STATED	6	38	3	2	1	6	2	12	6	5	1
TOTALS	118	3571	230	570	492	438	349	843	349	240	60

URBAN

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	40997	74	13343	27580
	2a. FROM SAME DIRECTION (both going straight)	12025	1	2152	9872
	2b. SAME – ONE TURN, ONE STRAIGHT	9225	1	1449	7775
	2c. SAME–ONE STOPPED	25645	5	7804	17836
	2d. SAME–ALL OTHERS	1651	0	82	1569
	3a. FROM OPP. DIRECTION (both going straight)	1728	4	635	1089
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	13192	22	4879	8291
	3c. SAME–ALL OTHERS	737	1	116	620
	4. NOT STATED	6225	2	516	5707
	TOTALS	111425	110	30976	80339

	TWO MOTOR VEHICLE ACCIDENTS	TOTAL	FATAL	INJURY	P.D
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	2937	36	1024	1877
	2. GOING SAME DIRECTION (both moving)	20388	17	4434	15937
	3a. ONE CAR PARKED	18162	4	1426	16732
	3b. ONE CAR STOPPED IN TRAFFIC	17409	11	5627	11771
	4a. ONE CAR ENTERING PARKED POS.	56	0	9	47
	4b. ONE CAR LEAVING PARKED POS.	451	1	28	422
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	11480	7	2951	8522
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	15004	12	2671	12321
	6. ALL OTHERS/NOT STATED	1044	0	193	851
	TOTALS	86931	88	18363	68480

		ALL OTHER ACCIDENTS	TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH., OR RR TRAIN	2145	6	1766	373
		2. FIXED OBJECT	7543	24	1931	5588
		3. OTHER OBJECT OR ANIMAL	367	0	41	326
	4. OVERTURNING		511	1	363	147
	5. OTHER NONCOLLISION		247	0	108	139
NOT AT INTER.	COLLISION WITH	6. OTHER ROAD VEH., OR RR TRAIN	1237	12	1028	197
		7. FIXED OBJECT	12336	61	3774	8501
		8. OTHER OBJECT OR ANIMAL	1580	0	79	1501
	9. OVERTURNING		1385	17	879	489
	10. OTHER NONCOLLISION		586	6	112	468
	11. NOT STATED		1	0	0	1
	TOTALS		27938	127	10081	17730

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	199527	397	61820	137310
2. SPEED TOO FAST	13083	99	4463	8521
3. SPEED TOO SLOW	123	0	40	83
4. DISREGARD CONTROL/ROW	65638	187	23396	42055
5. WRONG WAY	487	3	192	292
6. LEFT CENTER/IMPROPER PASS/LANE	23916	48	3911	19957
7. IMPROPER TURN/SIGNAL	10934	1	1967	8966
8. IMPROPER BACKING/START	13826	3	659	13164
9. FOLLOWING/UNABLE TO STOP	92744	76	26372	66296
10. OTHER/NOT KNOWN	6378	25	2015	4338
11.				
12.				
13.				
14.				
TOTALS	426656	839	124835	300982

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	190332	370	59068	130894
2. QUIL/DRUGS	6433	129	2849	3455
3. RECKLESS/CARELESS	4086	28	1909	2149
4. INATTENTION/III/ETC.	3043	5	1206	1832
5. VIOLATION LICENSE RESTRICTION	22	1	8	13
6. OBSCURED VISION	4665	4	1403	3258
7. DEFECTIVE EQUIPMENT	2775	3	848	1924
8. LOST CONTROL/LOAD/WIND	70	1	23	46
9. SKIDDING	11038	10	2743	8285
10. OTHER/NOT KNOWN	204192	288	54778	149126
11.				
12.				
13.				
14.				
TOTALS	426656	839	124835	300982

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	4132	40	1513	2579
2. REAR END	29606	18	6161	23427
3. SIDESWIPE - MEETING	46	0	12	34
4. SIDESWIPE - PASSING	722	0	90	632
5. ANGLE	27999	64	10512	17423
6. BACKED INTO	2993	0	156	2837
7. ALL OTHERS	132811	76	30886	101849
8. NOT STATED	47	0	9	38
TOTALS	198356	198	49339	148819

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	334891	512	98486	235893
2. PASSENGER CAR AND TRAILER	1256	0	317	939
3. TRUCK OR TRUCK TRACTOR	42574	81	10576	31917
4. TRUCK TRACTOR AND SEMI TRAILER	5721	22	1139	4560
5. OTHER TRUCK COMBINATION	1245	5	264	976
6. FARM TRACTOR AND/OR FARM EQUIP.	27	0	5	22
7. BUS	933	7	265	661
8. SCHOOL BUS	849	0	176	673
9. MOTORCYCLE/MOTOR SCOOTER	3313	39	2608	666
10. OTHER/NOT STATED	29491	27	4790	24674
TOTALS	420300	693	118626	300981

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18667	189	8219	10259
2. NOT KNOWN IF DRINKING	48874	39	8906	39929
3. HAD NOT BEEN DRINKING	352045	463	101433	250149
TOTALS	419586	691	118558	300337

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18162	198	8005	9959
2. NOT KNOWN IF DRINKING	18515	11	2156	16348
3. HAD NOT BEEN DRINKING	192992	225	52396	140371
TOTALS	229669	434	62557	166678

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	142	36	104	2
2. NOT KNOWN IF DRINKING	3005	42	2833	130
3. HAD NOT BEEN DRINKING	595	55	532	8
TOTALS	3742	133	3469	140

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1073	6	532	535
2. 16	12044	11	3438	8595
3. 17	14201	13	4178	10010
4. 18 TO 19	28320	55	8376	19889
5. 20 TO 24	64917	94	19392	45431
6. 25 TO 34	99474	200	30056	69218
7. 35 TO 44	62163	112	18451	43600
8. 45 TO 54	34299	55	10258	23986
9. 55 TO 64	27381	41	8046	19294
10. 65 TO 74	16945	43	4894	12008
11. 75 AND OLDER	8280	28	2262	5990
12. NOT STATED *	50489	33	8675	41781
TOTALS	419586	691	118558	300337
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	268853	524	72421	195908
2. FEMALE	150733	167	46137	104429
TOTALS	419586	691	118558	300337

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	305269	528	90123	214618
2. RESIDING ELSEWHERE	70192	105	20054	50033
3. NON RESIDENT	5311	14	1430	3867
4. NOT STATED	38814	44	6951	31819
TOTALS	419586	691	118558	300337
DRIVERLESS MOVING	714	2	68	644

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

MOTOR VEHICLE TRAFFIC ACCIDENTS IN MICHIGAN

PERIOD _____ YEAR - 1987

Compiled by the Michigan State Police

Col. R. T. Davis, Director

SUMMARY OF ALL REPORTED ACCIDENTS

SUMMARY INCLUDES INFORMATION AVAILABLE _____

R U R A L

TOTAL ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	10606	123	5862	4621	16274	125	7843	8306	1731	3065	3047	10606	125	7843
	2. OTHER NON-COLLISION	1316	16	312	988	2244	16	339	1889	79	139	121	1316	16	339
COLLISION WITH:	3. PEDESTRIAN	942	103	806	33	2469	108	883	1478	379	313	191	942	108	883
COLLISION WITH:	4. M.V. IN TRANSPORT	78231	486	23785	53960	252365	605	40666	211094	7201	11217	22248	78231	605	40666
COLLISION WITH:	5. M.V. - OTHER ROADWAY	42	0	15	27	152	0	37	115	6	12	19	42	0	37
COLLISION WITH:	6. PARKED M.V.	4903	11	487	4405	6682	13	635	6034	131	242	262	4903	13	635
COLLISION WITH:	7. RAILROAD TRAIN	131	13	53	65	197	16	81	100	40	28	13	131	16	81
COLLISION WITH:	8. PEDALCYCLIST	1025	25	873	127	2534	25	933	1576	243	430	260	1025	25	933
COLLISION WITH:	9. ANIMAL	37136	3	866	36267	58602	3	989	57610	102	373	514	37136	3	989
COLLISION WITH:	10. FIXED OBJECT	31962	237	10022	21703	47329	261	12937	34131	2903	5118	4916	31962	261	12937
COLLISION WITH:	11. OTHER OBJECT	1261	1	159	1101	2041	1	212	1828	45	80	87	1261	1	212
	TOTALS	167555	1018	43240	123297	390889	1173	65555	324161	12860	21017	31678	167555	1173	65555

ON ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D.	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1. OVERTURNED	1178	19	774	385	1746	19	965	762	256	437	272	1178	19	965
	2. OTHER NON-COLLISION	970	15	252	703	1724	15	269	1440	66	120	83	970	15	269
COLLISION WITH:	3. PEDESTRIAN	877	98	746	33	2299	103	806	1390	349	284	173	877	103	806
COLLISION WITH:	4. M.V. IN TRANSPORT	77914	485	23682	53747	251333	603	40475	210255	7147	11163	22165	77914	603	40475
COLLISION WITH:	5. M.V. - OTHER ROADWAY	42	0	15	27	152	0	37	115	6	12	19	42	0	37
COLLISION WITH:	6. PARKED M.V.	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLLISION WITH:	7. RAILROAD TRAIN	127	13	52	62	191	16	80	95	40	27	13	127	16	80
COLLISION WITH:	8. PEDALCYCLIST	998	24	851	123	2463	24	905	1534	233	422	250	998	24	905
COLLISION WITH:	9. ANIMAL	37023	3	843	36177	58430	3	964	57463	100	362	502	37023	3	964
COLLISION WITH:	10. FIXED OBJECT	957	2	203	752	1505	2	261	1242	40	102	119	957	2	261
COLLISION WITH:	11. OTHER OBJECT	1160	0	138	1022	1887	0	187	1700	41	69	77	1160	0	187
	TOTALS	121246	659	27556	93031	321730	785	44949	275996	8278	12998	23673	121246	785	44949

MUNICIPALITIES	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. TOWNSHIPS	363878	1142	762	380	62312	42332	19980	12287	19978	30947	300424	762	42332	380	19980
2. UNDER 1,000	6904	9	7	2	904	673	231	176	319	409	5991	7	673	2	231
3. 1,000 2,500	20107	22	16	6	2339	1944	395	397	720	1222	17746	16	1944	6	395
4. 2,500 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	390889	1173	785	388	65555	44949	20606	12860	21017	31678	324161	785	44949	388	20606

MUNICIPALITIES	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.	TOTAL	FATAL	INJURY	P.D.
1. TOWNSHIPS	157327	989	41022	115316	113624	637	25820	87167	43703	352	15202	28149	157327	989	41022	115316
2. UNDER 1,000	2741	9	617	2115	1897	7	438	1452	844	2	179	663	2741	9	617	2115
3. 1,000 2,500	7487	20	1601	5866	5725	15	1298	4412	1762	5	303	1454	7487	20	1601	5866
4. 2,500 5,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5. 5,000 10,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6. 10,000 25,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. 25,000 50,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. 50,000 100,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. 100,000 250,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10. 250,000 OR MORE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTALS	167555	1018	43240	123297	121246	659	27556	93031	46309	359	15684	30266	167555	1018	43240	123297

CLASS OF TRAFFICWAY	NUMBER OF PERSONS											THIS YEAR TO DATE			
	TOTAL OCCUP	KILLED			INJURED			INJURY SEVERITY				ON ROADWAY		OFF ROADWAY	
		TOTAL	ON ROADWAY	OFF ROADWAY	TOTAL	ON ROADWAY	OFF ROADWAY	A	B	C	NOT INJURED	KILLED	INJURED	KILLED	INJURED
1. INTERSTATE SYSTEM	23293	63	34	29	3746	2084	1662	742	1101	1903	19484	34	2084	29	1662
2. OTHER FULL CONTROL	4739	22	11	11	761	409	352	143	253	365	3956	11	409	11	352
3. OTHER U.S. ROUTE	39616	119	99	20	6248	4918	1330	1200	1833	3215	33249	99	4918	20	1330
4. OTHER STATE M ROUTES	92638	304	245	59	15021	12553	2468	2946	4317	7758	77313	245	12553	59	2468
5. OTHER MAJOR ART'L	7038	8	7	1	1114	1003	111	168	306	640	5916	7	1003	1	111
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS--N.K.	223565	657	389	268	38665	23982	14683	7661	13207	17797	184243	389	23982	268	14683
TOTALS	390889	1173	785	388	65555	44949	20606	12860	21017	31678	324161	785	44949	388	20606

TRAFFIC ACCIDENT SUMMARY FOR CITIES
1987

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Adrian	1,042	1	252	789	1	371
Albion	229	1	36	192	1	49
Algonac	74	0	29	45	0	42
Allegan	173	0	35	138	0	46
Allen Park	1,392	2	340	1,050	2	490
Alma	287	1	66	220	1	109
Alpena	438	0	107	331	0	138
Ann Arbor	4,517	0	1,184	3,333	0	1,630
Armada	36	0	3	33	0	4
Auburn Hills	1,310	6	429	875	6	641
Bad Axe	116	1	34	81	1	48
Battle Creek	2,890	3	749	2,138	3	1,023
Bay City	1,565	1	377	1,187	1	495
Belding	144	0	23	121	0	28
Benton Harbor	621	0	115	506	0	151
Berkley	572	0	166	406	0	241
Bessemer	39	2	7	30	2	9
Beverly Hills	354	1	91	262	1	120
Big Rapids	655	0	137	518	0	187
Birmingham	1,331	0	294	1,037	0	390
Blissfield	82	0	20	62	0	28
Bloomfield Hills	374	1	98	275	1	136
Boyne City	102	1	18	83	1	25
Brighton	493	1	119	373	1	188
Buchanan	149	0	31	118	0	41
Burton	1,034	3	351	680	3	521
Cadillac	529	3	108	418	3	141
Caro	228	0	49	179	0	68
Cassopolis	64	0	14	50	0	17
Center Line	527	1	158	368	1	235
Charlevoix	195	0	45	150	0	65
Charlotte	379	0	76	303	0	101
Cheboygan	67	1	43	23	1	57
Chelsea	134	0	23	111	0	33
Chesaning	118	0	23	95	0	31
Clare	176	0	28	148	0	36
Clawson	508	1	154	353	1	220
Clio	107	0	34	73	0	41
Coldwater	547	0	113	434	0	155
Corunna	115	0	25	90	0	34
Davison	153	0	43	110	0	65
Dearborn	5,160	12	1,418	3,730	12	2,036
Dearborn Heights	2,283	6	656	1,621	6	994
Detroit	47,039	127	13,324	33,588	134	19,681
Dowagiac	255	1	50	204	1	72
Durand	116	0	23	93	0	25
East Detroit	1,307	3	373	931	4	543
East Grand Rapids	220	0	45	175	0	58
East Jordan	52	0	12	40	0	18
East Lansing	1,569	0	394	1,175	0	546
Eaton Rapids	108	1	25	82	2	29
Ecorse	511	1	109	401	1	138
Escanaba	749	1	192	556	1	280
Essexville	73	0	15	58	0	16
Farmington	498	0	106	392	0	153
Farmington Hills	2,775	4	875	1,896	4	1,294
Fenton	412	1	117	294	2	159
Ferndale	621	1	295	325	1	407
Flat Rock	239	1	58	180	1	100
Flint	7,276	21	2,111	5,144	22	3,231
Flushing	189	0	50	139	0	76
Frankenmuth	169	0	39	130	0	53

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Franklin	124	0	22	102	0	31
Fraser	896	2	263	631	2	390
Fremont	181	2	35	144	2	54
Garden City	1,258	2	411	845	2	621
Gaylord	174	1	45	128	1	59
Gibralter	67	1	16	50	1	33
Gladstone	155	0	30	125	0	52
Grand Blanc	211	0	60	151	0	76
Grand Haven	765	1	153	611	1	201
Grand Ledge	150	0	31	119	0	44
Grand Rapids	9,963	17	2,507	7,439	17	3,392
Grandville	680	1	190	489	1	271
Grayling	161	0	31	130	0	54
Greenville	405	0	86	319	0	121
Grosse Pointe	202	0	47	155	0	61
Grosse Pointe Farms	254	0	75	179	0	100
Grosse Pointe Park	348	0	67	281	0	91
Grosse Pointe Shores	47	0	11	36	0	15
Grosse Pointe Woods	270	0	62	208	0	73
Hamtramck	982	1	179	802	1	243
Hancock	195	0	20	175	0	22
Harbor Springs	66	0	5	61	0	8
Harper Woods	452	1	101	350	1	134
Harrison	82	0	23	59	0	29
Hartford	82	0	17	65	0	25
Hastings	346	1	94	251	1	143
Hazel Park	1,400	1	421	978	3	602
Highland Park	1,477	5	463	1,009	5	688
Hillsdale	449	0	86	363	0	126
Holland	1,147	1	324	822	1	459
Holly	172	1	47	124	1	73
Houghton	301	0	61	240	0	76
Howell	369	1	82	286	1	102
Hudson	90	0	27	63	0	44
Hudsonville	118	0	13	105	0	20
Huntington Woods	199	0	54	145	0	78
Inkster	963	4	254	705	4	408
Ionia	319	0	75	244	0	104
Iron Mountain	263	0	84	179	0	114
Iron River	92	0	10	82	0	14
Ironwood	303	0	69	234	0	96
Ishpeming	286	1	48	237	1	54
Ithaca	81	1	15	65	1	24
Jackson	2,483	3	566	1,914	3	830
Kalamazoo	4,989	6	1,018	3,965	6	1,416
Keego Harbor	200	1	49	150	1	62
Kentwood	1,648	5	449	1,194	5	652
Kingsford	128	1	25	102	1	35
Lake Orion	163	0	34	129	0	45
L'Anse	75	0	12	63	0	18
Lansing	6,387	14	1,724	4,649	15	2,431
Lapeer	571	0	149	422	0	240
Lathrup Village	336	1	103	232	1	155
Laurium	31	0	6	25	0	6
Lincoln Park	1,900	0	533	1,367	0	732
Linden	41	0	6	35	0	7
Livonia	5,038	11	1,372	3,655	13	2,020
Lowell	207	0	65	142	0	88
Ludington	323	0	46	277	0	62
Madison Heights	1,989	1	638	1,350	1	954
Manchester	50	0	11	39	0	11
Manistee	314	0	61	253	0	88
Manistique	103	0	16	87	0	21

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Marine City	200	0	48	152	0	73
Marlette	91	0	17	74	0	19
Marquette	968	1	202	765	1	271
Marshall	254	0	44	210	0	62
Marysville	189	1	64	124	1	109
Mason	225	1	47	177	2	72
Melvindale	425	0	88	337	0	129
Memphis	37	0	7	30	0	11
Menominee	421	1	112	308	2	170
M.S.U.	439	0	100	339	0	113
Midland	1,495	4	346	1,145	4	504
Milan	94	0	9	85	0	11
Milford	216	0	38	178	0	49
Monroe	946	4	224	718	4	292
Montrose	28	0	4	24	0	5
Morrice	12	0	3	9	0	3
Mt. Clemens	966	3	256	707	4	383
Mt. Morris	100	0	26	74	0	29
Mt. Pleasant	900	0	198	702	0	313
Munising	54	0	13	41	0	14
Muskegon	2,185	5	634	1,546	5	922
Muskegon Heights	699	1	168	530	1	254
Negaunee	225	0	62	163	0	93
New Baltimore	243	1	92	150	1	147
New Buffalo	81	0	28	53	0	36
New Haven	88	0	30	58	0	53
Newberry	57	0	11	46	0	12
Niles	619	0	154	465	0	232
North Muskegon	117	0	28	89	0	47
Northville	226	0	45	181	0	66
Norton Shores	753	6	252	495	6	374
Norway	81	0	15	66	0	18
Novi	1,297	2	383	912	2	560
Oak Park	1,382	0	270	1,112	0	374
Otsego	97	0	27	70	0	47
Owosso	510	0	141	369	0	192
Oxford	127	0	31	96	0	43
Paw Paw	194	0	53	141	0	76
Perry	38	0	7	31	0	12
Petoskey	320	0	53	267	0	66
Plainwell	163	0	35	128	0	49
Pleasant Ridge	183	0	35	148	0	45
Plymouth	412	0	90	322	0	132
Pontiac	4,498	8	1,313	3,177	8	1,936
Port Huron	1,803	3	332	1,468	3	508
Portage	1,637	2	374	1,261	2	568
Portland	103	1	22	80	1	33
Richland	19	0	5	14	0	5
Richmond	136	0	31	105	0	56
River Rouge	208	0	47	161	0	69
Riverview	323	0	93	230	0	130
Rochester	423	1	74	348	1	100
Rochester Hills	2,353	2	657	1,694	2	994
Rockwood	60	0	22	38	0	32
Rogers City	70	0	15	55	0	24
Romeo	187	0	34	153	0	55
Romulus	1,549	6	454	1,089	8	665
Roosevelt Park	115	0	36	79	0	46
Roseville	2,991	9	836	2,146	9	1,211
Royal Oak	2,462	6	811	1,645	7	1,149
Saginaw	3,535	2	979	2,554	2	1,407
St. Clair	156	1	44	111	1	61
St. Clair Shores	1,039	5	595	439	6	888

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
St. Ignace	79	1	22	56	1	33
St. Johns	339	0	75	264	0	123
St. Joseph	522	0	123	399	0	163
St. Louis	95	1	17	77	1	23
Saline	223	0	50	173	0	73
Sandusky	18	0	4	14	0	5
Sault Ste. Marie	622	0	105	517	0	146
South Haven	202	0	55	147	0	83
South Lyon	104	0	38	66	0	49
Southfield	3,353	6	1,311	2,036	7	2,020
Southgate	1,539	3	399	1,137	3	573
Sparta	102	0	17	85	0	22
Spring Lake	132	0	29	103	0	41
Springfield	257	3	78	176	3	122
Sterling Heights	4,372	6	1,235	3,131	6	1,852
Sturgis	492	3	150	339	3	214
Swartz Creek	173	0	52	121	0	69
Taylor	3,195	6	1,007	2,182	6	1,547
Tecumseh	277	0	55	222	0	78
Three Rivers	371	0	87	284	0	130
Traverse City	1,352	1	302	1,049	1	432
Trenton	537	1	177	359	1	262
Troy	4,051	1	1,060	2,990	1	1,536
Utica	581	2	161	418	2	231
Vassar	75	0	23	52	0	35
Wakefield	40	0	1	39	0	1
Walker	873	5	248	620	5	351
Walled Lake	261	0	86	175	0	127
Warren	6,563	10	1,927	4,626	11	2,784
Wayne	682	0	218	464	0	331
W.M.U.	140	0	25	115	0	27
Westland	2,352	5	945	1,402	5	1,471
Whitehall	131	0	32	99	0	36
Williamston	69	0	11	58	0	11
Wixom	327	5	66	256	6	96
Wolverine Lake	69	0	20	49	0	33
Woodhaven	400	0	96	304	0	131
Wyandotte	1,130	1	253	876	1	330
Wyoming	3,008	3	855	2,150	3	1,226
Ypsilanti	1,246	2	282	962	2	379
Zeeland	106	0	27	79	0	34
Atlas Twp.	120	0	31	89	0	39
Benton Twp.	966	5	288	673	5	446
Blackman Twp.	913	4	244	665	4	350
Bloomfield Twp.	2,150	5	632	1,513	5	950
Bridgeport Twp.	493	3	157	333	3	219
Brownstown Twp.	829	4	252	573	5	379
Buena Vista Twp.	516	2	165	349	4	244
Canton Twp.	1,517	7	421	1,089	9	634
Clay Twp.	249	1	72	176	1	109
Clinton Twp.	3,280	9	987	2,284	9	1,480
Davison Twp.	360	2	113	245	2	173
Delhi Twp.	541	2	157	382	2	224
DeWitt Twp.	400	3	107	290	3	185
Emmet Twp.	586	2	146	438	2	217
Flint Twp.	1,706	3	488	1,215	3	734
Genesee Twp.	666	9	188	469	10	277
Grand Blanc Twp.	686	1	158	527	1	225
Green Oak Twp.	399	3	121	275	3	175
Grosse Ile Twp.	159	0	45	114	0	55
Hampton Twp.	309	2	81	226	2	136
Huron Twp.	299	4	93	202	4	137
Kalamazoo Twp.	622	2	180	440	2	252

OFF ROADWAY ACCIDENTS		NUMBER OF ACCIDENTS				NUMBER OF PERSONS							THIS YEAR TO DATE		
		TOTAL	FATAL	INJURY	P.D	TOTAL OCCUP.	KILLED	INJURED	NOT INJURED	INJURED A	INJURED B	INJURED C	ACCIDENTS	KILLED	INJURED
	1 OVERTURNED	9428	104	5088	4236	14528	106	6878	7544	1475	2628	2775	9428	106	6878
	2 OTHER NON COLLISION	346	1	60	285	520	1	70	449	13	19	38	346	1	70
COLLISION WITH:	3 PEDESTRIAN	65	5	60	0	170	5	77	88	30	29	18	65	5	77
	4 M.V. IN TRANSPORT	317	1	103	213	1032	2	191	839	54	54	83	317	2	191
	5 M.V. OTHER ROADWAY	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	6 PARKED M.V.	4903	11	487	4405	6682	13	635	6034	131	242	262	4903	13	635
	7 RAILROAD TRAIN	4	0	1	3	6	0	1	5	0	1	0	4	0	1
	8 PEDALCYCLIST	27	1	22	4	71	1	28	42	10	8	10	27	1	28
	9 ANIMAL	113	0	23	90	172	0	25	147	2	11	12	113	0	25
	10 FIXED OBJECT	31005	235	9819	20951	45824	259	12676	32889	2863	5016	4797	31005	259	12676
	11 OTHER OBJECT	101	1	21	79	154	1	25	128	4	11	10	101	1	25
	TOTALS	46309	359	15684	30266	69159	388	20606	48165	4582	8019	8005	46309	388	20606

ROAD SURFACE	NUMBER OF ACCIDENTS				AGE	NUMBER OF PERSONS KILLED									
	TOTAL	FATAL	INJURY	P.D		TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
DRY	109516	737	28363	80416	0 - 4	40	19	21	0	37	3	0	0	0	0
WET	31752	176	8703	22873	5 - 9	25	14	11	0	10	13	2	0	0	0
SNOWY/ICY	24611	86	5685	18840	10 - 14	44	29	15	3	22	8	8	1	0	2
OTHER	1676	19	489	1168	15 - 19	218	141	77	105	88	8	5	8	1	3
TOTAL	167555	1018	43240	123297	20 - 24	163	127	36	87	47	12	2	12	0	3
					25 - 34	265	199	66	171	34	22	3	33	1	1
LIGHT CONDITION	NUMBER OF ACCIDENTS				35 - 44	133	94	39	83	26	8	2	10	2	2
	TOTAL	FATAL	INJURY	P.D	45 - 54	77	54	23	46	15	10	2	3	0	1
					55 - 64	70	39	31	43	13	11	0	2	1	0
DAYLIGHT	89376	475	25793	63108	65 - 74	69	34	35	47	18	3	1	0	0	0
DAWN/DUSK	10869	55	2157	8657	75 & Over	67	35	32	36	15	16	0	0	0	0
DARKNESS/LIGHTS	5774	58	1826	3890	Not Stated	2	2	0	2	0	0	0	0	0	0
DARKNESS/NO LIGHTS	61068	423	13396	47249											
NOT STATED	468	7	68	393											
TOTAL	167555	1018	43240	123297	TOTAL	1173	787	386	623	325	114	25	69	5	12

CODE OF INJURY

A — INCAPACITATING INJURY

Any injury other than fatal which prevents normal activities and generally requires hospitalization.

B — NON-INCAPACITATING INJURY

Any injury not incapacitating but evident to others at the scene.

C — POSSIBLE INJURY

No visible injury but complaint of pain or momentary unconsciousness.

AGE	NUMBER OF PERSONS INJURED									
	TOTAL	MALE	FEMALE	DRIVER	PASS.	PED.	PEDAL/ CYCLE	M/CYCLE	FARM	OTHER
0 - 4	1269	658	611	2	1212	36	10	4	1	4
5 - 9	1940	1012	928	10	1568	154	181	18	2	7
10 - 14	2665	1353	1312	122	1881	146	350	149	3	14
15 - 19	14523	7732	6791	8149	5418	191	161	534	5	65
20 - 24	10761	6392	4369	7382	2610	107	46	534	7	75
25 - 34	13913	7911	6002	10162	2697	124	73	734	10	113
35 - 44	8217	4126	4091	6165	1519	66	32	376	5	54
45 - 54	4494	2152	2342	3311	960	40	17	137	3	26
55 - 64	3275	1576	1699	2275	876	35	13	48	7	21
65 - 74	2247	913	1334	1431	754	25	4	18	1	14
75 & Over	1247	550	697	760	447	26	1	9	1	3
Not Stated	1004	498	506	573	367	14	5	30	0	15
TOTAL	65555	34873	30682	40342	20309	964	893	2591	45	411

CLASS OF TRAFFICWAY	NUMBER OF ACCIDENTS												THIS YEAR TO DATE			
	ALL ACCIDENTS				ON ROADWAY				OFF ROADWAY							
	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D	TOTAL	FATAL	INJURY	P.D
1. INTERSTATE SYSTEM	9905	51	2532	7322	6388	25	1315	5048	3517	26	1217	2274	9905	51	2532	7322
2. OTHER FULL CONTROL	2205	20	513	1672	1413	10	249	1154	792	10	264	518	2205	20	513	1672
3. OTHER U.S. ROUTE	15635	99	3881	11655	12702	83	2862	9757	2933	16	1019	1898	15635	99	3881	11655
4. OTHER STATE M ROUTES	36164	254	9314	26596	30518	197	7414	22907	5646	57	1900	3689	36164	254	9314	26596
5. OTHER MAJOR ART'L	2518	8	715	1795	2182	7	626	1549	336	1	89	246	2518	8	715	1795
6. COUNTY ROADS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7. LOCAL STREETS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8. OTHER TRAFFICWAYS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9. LOCAL ROADS – N.K.	101128	586	26285	74257	68043	337	15090	52616	33085	249	11195	21641	101128	586	26285	74257
TOTALS	167555	1018	43240	123297	121246	659	27556	93031	46309	359	15684	30266	167555	1018	43240	123297

PEDESTRIAN ACCIDENTS	ALL ACCIDENTS			FATAL			INJURY			PROPERTY DAMAGE		
	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.	TOTAL	AT INTER.	NOT AT INTER.
1. CAR GOING STRAIGHT	829	220	609	100	19	81	703	193	510	26	8	18
2. CAR TURNING STRAIGHT	33	29	4	1	1	0	28	24	4	4	4	0
3. CAR TURNING LEFT	37	28	9	0	0	0	34	25	9	3	3	0
4. CAR BACKING	29	5	24	2	0	2	27	5	22	0	0	0
5. ALL OTHERS	10	4	6	0	0	0	10	4	6	0	0	0
6. NOT STATED	4	1	3	0	0	0	4	1	3	0	0	0
TOTALS	942	287	655	103	20	83	806	252	554	33	15	18

PEDESTRIAN ACTIONS BY AGE	PEDESTRIANS KILLED	AGE OF PEDESTRIANS KILLED AND INJURED									
		TOTAL	0 TO 4	5 TO 9	10 TO 14	15 TO 19	20 TO 24	25 TO 44	45 TO 64	65 & OLDER	NOT STATED
1a. CROSSING AT INTERSECTION OR IN CROSSWALK	15	263	11	52	49	45	19	40	20	26	1
1b. CROSSING NOT AT INTERSECTION OR IN CROSSWALK	43	308	22	83	55	33	20	47	20	27	1
2a. WALKING IN ROADWAY – WITH TRAFFIC	12	126	1	5	16	33	23	34	12	2	0
2b. WALKING IN ROADWAY – AGAINST TRAFFIC	1	21	0	0	5	6	4	6	0	0	0
3. STANDING IN ROADWAY	6	53	0	2	1	20	7	14	4	3	2
4. PUSHING OR WORKING ON VEHICLE IN ROADWAY	3	34	0	0	1	12	8	8	4	0	1
5. OTHER WORKING IN ROADWAY	2	13	0	0	0	2	3	3	5	0	0
6. PLAYING IN ROADWAY	0	18	1	8	5	4	0	0	0	0	0
7. OTHER IN ROADWAY	9	82	2	7	4	16	17	23	8	3	2
8. NOT IN ROADWAY	10	126	1	6	17	25	17	31	19	4	6
9. NOT STATED	13	34	1	4	1	3	1	14	4	5	1
TOTALS	114	1078	39	167	154	199	119	220	96	70	14

TWO MOTOR VEHICLE ACCIDENTS		TOTAL	FATAL	INJURY	P.D.
AT INTERSECTION	1. ENTERING AT ANGLE	15129	140	5382	9607
	2a. FROM SAME DIRECTION (both going straight)	3058	3	663	2392
	2b. SAME – ONE TURN, ONE STRAIGHT	3536	4	869	2663
	2c. SAME–ONE STOPPED	8306	9	2484	5813
	2d. SAME–ALL OTHERS	636	0	39	597
	3a. FROM OPP. DIRECTION (both going straight)	1010	14	373	623
	3b. SAME–ONE LEFT TURN, ONE STRAIGHT	4432	26	1869	2537
	3c. SAME–ALL OTHERS	261	0	49	212
	4. NOT STATED	902	1	66	835
	TOTALS	37270	197	11794	25279

TWO MOTOR VEHICLE ACCIDENTS		TOTAL	FATAL	INJURY	P.D.
NOT AT INTERSECTION	1. GOING OPP. DIRECTION (both going straight)	4976	211	1905	2860
	2. GOING SAME DIRECTION (both moving)	10997	27	2615	8355
	3a. ONE CAR PARKED	4001	10	421	3570
	3b. ONE CAR STOPPED IN TRAFFIC	7827	10	2509	5308
	4a. ONE CAR ENTERING PARKED POS.	26	1	4	21
	4b. ONE CAR LEAVING PARKED POS.	81	0	10	71
	5a. ONE CAR ENTER. DRIVEWAY ACCESS	9106	24	2958	6124
	5b. ONE CAR LEAVING DRIVEWAY ACCESS	8273	16	1893	6364
	6. ALL OTHERS/NOT STATED	619	1	178	440
	TOTALS	45906	300	12493	33113

ALL OTHER ACCIDENTS			TOTAL	FATAL	INJURY	P.D.
AT INTER.	COLLISION WITH	1. OTHER ROAD VEH. OR RR TRAIN	425	3	347	75
		2. FIXED OBJECT	5706	24	1518	4164
		3. OTHER OBJECT OR ANIMAL	987	0	58	929
	4. OVERTURNING		1054	5	640	409
	5. OTHER NONCOLLISION		233	2	79	152
NOT AT INTER.	COLLISION WITH	6. OTHER ROAD VEH., OR RR TRAIN	731	35	579	117
		7. FIXED OBJECT	26256	213	8504	17539
		8. OTHER OBJECT OR ANIMAL	37410	4	967	36439
	9. OVERTURNING		9552	118	5222	4212
	10. OTHER NONCOLLISION		1081	14	233	834
	11. NOT STATED		2	0	0	2
	TOTALS		83437	418	18147	64872

HAZARDOUS ACTION *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NO VIOLATION	131029	732	31389	98908
2. SPEED TOO FAST	22105	306	8564	13235
3. SPEED TOO SLOW	118	1	49	68
4. DISREGARD CONTROL/ROW	25901	242	9870	15789
5. WRONG WAY	145	4	61	80
6. LEFT CENTER/IMPROPER PASS/LANE	10865	197	2948	7720
7. IMPROPER TURN/SIGNAL	4573	16	1123	3434
8. IMPROPER BACKING/START	4007	1	234	3772
9. FOLLOWING/UNABLE TO STOP	51416	196	16730	34490
10. OTHER/NOT KNOWN	4255	33	1463	2759
11.				
12.				
13.				
14.				
TOTALS	254414	1728	72431	180255

CONTRIBUTING CIRCUMSTANCE *	NUMBER OF TRAFFIC UNITS			
	TOTAL	FATAL	INJURY	P.D.
1. NONE	124711	678	29614	94419
2. OUIL/DRUGS	6142	293	2995	2854
3. RECKLESS/CARELESS	5249	61	2689	2499
4. INATTENTION/III/ETC.	2790	5	1213	1572
5. VIOLATION LICENSE RESTRICTION	15	0	5	10
6. OBSCURED VISION	2787	13	925	1849
7. DEFECTIVE EQUIPMENT	2444	9	783	1652
8. LOST CONTROL/LOAD/WIND	121	0	36	85
9. SKIDDING	10543	60	2936	7547
10. OTHER/NOT KNOWN	99612	609	31235	67768
11.				
12.				
13.				
14.				
TOTALS	254414	1728	72431	180255

* Includes pedestrians and drivers

MANNER OF TWO MOTOR VEHICLE COLLISION	TOTAL	FATAL	INJURY	P.D.
1. HEAD ON	5653	224	2171	3258
2. REAR END	12633	28	2984	9621
3. SIDESWIPE - MEETING	46	0	7	39
4. SIDESWIPE - PASSING	192	0	23	169
5. ANGLE	8992	116	3861	5015
6. BACKED INTO	1250	0	90	1160
7. ALL OTHERS	54378	129	15144	39105
8. NOT STATED	32	0	7	25
TOTALS	83176	497	24287	58392

TYPE OF VEHICLE	TOTAL	FATAL	INJURY	P.D.
1. PASSENGER CAR	189914	1085	53773	135056
2. PASSENGER CAR AND TRAILER	1211	8	304	899
3. TRUCK OR TRUCK TRACTOR	42539	271	10586	31682
4. TRUCK TRACTOR AND SEMI TRAILER	4286	68	1111	3107
5. OTHER TRUCK COMBINATION	1592	14	402	1176
6. FARM TRACTOR AND/OR FARM EQUIP.	318	6	111	201
7. BUS	121	1	34	86
8. SCHOOL BUS	588	8	131	449
9. MOTORCYCLE/MOTOR SCOOTER	2821	71	2364	386
10. OTHER/NOT STATED	9058	41	1789	7228
TOTALS	252448	1573	70605	180270

DRINKING CONDITION DRIVERS	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18523	506	8906	9111
2. NOT KNOWN IF DRINKING	11895	20	2064	9811
3. HAD NOT BEEN DRINKING	221801	1045	59599	161157
TOTALS	252219	1571	70569	180079

DRINKING IN ACCIDENT	NUMBER OF ACCIDENTS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	18064	494	8660	8910
2. NOT KNOWN IF DRINKING	4682	2	574	4106
3. HAD NOT BEEN DRINKING	144809	522	34006	110281
TOTALS	167555	1018	43240	123297

DRINKING CONDITION PEDESTRIAN	NUMBER OF PEDESTRIANS			
	TOTAL	FATAL	INJURY	P.D.
1. HAD BEEN DRINKING	66	36	30	0
2. NOT KNOWN IF DRINKING	922	45	839	38
3. HAD NOT BEEN DRINKING	140	50	88	2
TOTALS	1128	131	957	40

AGE OF DRIVER	NUMBER OF DRIVERS			
	TOTAL	FATAL	INJURY	P.D.
1. 15 AND YOUNGER	1051	19	602	430
2. 16	10706	47	3430	7229
3. 17	11915	80	3703	8132
4. 18 TO 19	20368	121	6335	13912
5. 20 TO 24	40657	249	12202	28206
6. 25 TO 34	61949	433	17302	44214
7. 35 TO 44	40634	231	10773	29630
8. 45 TO 54	22236	134	5871	16231
9. 55 TO 64	15229	107	4090	11032
10. 65 TO 74	8950	73	2614	6263
11. 75 AND OLDER	4380	59	1325	2996
12. NOT STATED *	14144	18	2322	11804
TOTALS	252219	1571	70569	180079
H & R DRIVERS (Not Apprehended)	0	0	0	0

* Includes Hit & Run Drivers

SEX OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. MALE	165664	1153	44647	119864
2. FEMALE	86555	418	25922	60215
TOTALS	252219	1571	70569	180079

RESIDENCE OF DRIVER	TOTAL	FATAL	INJURY	P.D.
1. LOCAL RESIDENT	173161	1035	49617	122509
2. RESIDING ELSEWHERE	61528	443	17189	43896
3. NON-RESIDENT	5621	50	1647	3924
4. NOT STATED	11909	43	2116	9750
TOTALS	252219	1571	70569	180079
DRIVERLESS MOVING	229	2	36	191

MILEAGE RATES	THIS YEAR TO DATE	LAST YEAR SAME PERIOD	PERCENT CHANGE
1. Motor Vehicle Traffic Deaths			%
2. Estimated Motor Veh. Mileage Traveled (billions)			%
3. Death Rate Per 100-Million-Vehicle-Miles			%
4. Fatal Accident Rate Per 100-Million-Vehicle-Miles			%

TRAFFIC ACCIDENT SUMMARY FOR CITIES (Continued)

Cities	Total Accidents	Fatal Accidents	Personal Injury Accidents	Property Damage Accidents	Persons Killed	Persons Injured
Leoni Twp.	671	3	183	485	3	240
Meridian Twp.	1,301	2	363	936	3	526
Montrose Twp.	142	1	45	96	1	67
Mt. Morris Twp.	1,028	7	338	683	7	535
Napoleon Twp.	225	1	55	169	1	73
Niles Twp.	512	4	133	375	4	215
Northville Twp.	361	0	89	272	0	134
Oakland Twp.	260	1	89	170	1	134
Pittsfield Twp.	1,054	4	249	801	4	368
Redford Twp.	2,289	2	599	1,688	2	860
Richfield Twp.	211	2	70	139	2	117
Saginaw Twp.	1,514	5	421	1,088	6	629
St. Joseph Twp.	312	2	74	236	5	122
Shelby Twp.	1,569	11	453	1,105	13	696
Spaulding Twp.	66	0	17	49	0	22
Van Buren Twp.	741	0	218	523	0	317
Vienna Twp.	498	4	168	326	9	259
Waterford Twp.	3,978	16	1,263	2,699	18	1,874
West Bloomfield Twp.	1,473	4	333	1,136	6	488
White Lake Twp.	614	2	199	413	2	307
Wright Twp.	50	1	13	36	1	25

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Alcona	801	3	99	699	0	476	325	3	143
Alger	317	2	67	248	0	117	200	2	80
Allegan	3,123	32	799	2,292	152	2,035	936	36	1,139
Alpena	1,143	8	231	904	0	619	524	8	325
Antrim	729	4	145	580	0	401	328	4	216
Arenac	932	5	181	746	96	402	434	5	294
Baraga	344	3	57	284	0	164	180	3	88
Barry	2,231	18	525	1,688	0	1,457	774	23	803
Bay	4,249	24	1,140	3,085	217	2,362	1,670	24	1,678
Benzie	574	4	134	436	0	304	270	6	212
Berrien	6,678	38	1,824	4,816	886	3,889	1,903	45	2,759
Branch	2,003	7	415	1,581	170	1,209	624	10	617
Calhoun	6,523	21	1,536	4,966	1,173	4,319	1,031	24	2,219
Cass	2,088	16	483	1,589	0	1,238	850	17	740
Charlevoix	1,127	7	211	909	0	592	535	8	323
Cheboygan	841	4	275	562	123	447	271	4	395
Chippewa	1,152	5	214	933	270	684	198	6	318
Clare	1,478	8	286	1,184	0	746	732	10	427
Clinton	2,373	9	618	1,746	278	1,430	665	11	966
Crawford	739	4	165	570	209	335	195	4	268
Delta	1,842	8	400	1,434	0	1,076	766	9	591
Dickinson	1,076	5	201	870	0	491	585	5	270
Eaton	3,831	13	939	2,879	455	1,773	1,603	14	1,400
Emmet	1,342	3	300	1,039	5	686	651	4	423
Genesee	16,670	71	4,897	11,702	1,522	11,367	3,781	79	7,363
Gladwin	969	5	195	769	0	497	472	5	297
Gogebic	600	5	120	475	0	278	322	6	177
Grand Traverse	3,351	10	871	2,470	0	2,158	1,193	11	1,296
Gratiot	1,460	12	326	1,122	0	805	655	17	496

REPORTED STATEWIDE TRAFFIC ACCIDENTS BY COUNTY IN MICHIGAN (Continued)

County	All	Fatal	Injury	Property Damage	Inter-state	Local Street	State Route	Persons Killed	Persons Injured
Hillsdale	1,875	9	409	1,457	0	1,178	697	11	637
Houghton	1,125	3	219	903	0	419	706	3	302
Huron	1,288	5	286	997	0	626	662	5	452
Ingham	13,119	35	3,381	9,703	1,874	7,513	3,732	39	4,780
Ionia	2,334	17	507	1,810	245	1,365	724	18	760
Iosco	1,397	10	275	1,112	0	733	664	13	436
Iron	559	1	91	467	0	275	284	1	128
Isabella	2,465	3	547	1,915	0	1,553	912	4	829
Jackson	7,042	26	1,685	5,331	1,071	4,423	1,548	28	2,418
Kalamazoo	10,590	29	2,380	8,181	921	7,588	2,081	30	3,433
Kalkaska	607	5	127	475	0	332	275	6	208
Kent	22,337	80	5,918	16,339	1,125	14,888	6,324	85	8,440
Keweenaw	60	1	17	42	0	21	39	1	26
Lake	599	3	89	507	0	370	229	3	125
Lapeer	2,955	24	747	2,184	102	1,660	1,193	28	1,198
Leelanau	615	5	131	479	0	290	325	5	205
Lenawee	3,759	17	995	2,747	0	2,060	1,699	24	1,490
Livingston	4,624	28	1,311	3,285	782	2,907	935	31	2,007
Luce	251	2	54	195	0	105	146	2	81
Mackinac	536	4	118	414	64	164	308	5	183
Macomb	28,471	82	8,625	19,764	1,532	18,138	8,801	92	12,842
Manistee	914	2	179	733	0	544	370	3	264
Marquette	2,728	11	598	2,119	0	1,557	1,171	13	842
Mason	1,334	6	253	1,075	0	863	471	8	386
Mecosta	2,158	6	357	1,795	0	1,161	997	6	527
Menominee	1,546	2	250	1,294	0	873	673	3	373
Midland	2,915	16	669	2,230	0	2,152	763	18	960
Missaukee	343	3	110	230	0	187	156	3	180
Monroe	4,961	33	1,597	3,331	467	2,850	1,644	39	2,417
Montcalm	2,588	17	500	2,074	0	1,490	1,098	18	736
Montmorency	411	2	79	330	0	223	188	2	115
Muskegon	6,443	34	1,830	4,579	388	4,589	1,466	39	2,667
Newaygo	1,782	9	416	1,357	0	1,148	634	10	632
Oakland	49,034	117	14,538	34,379	4,732	33,317	10,985	132	21,412
Oceana	944	8	225	711	0	624	320	8	341
Ogemaw	1,052	5	188	859	173	616	263	6	268
Ontonagon	365	3	67	295	0	98	267	3	103
Osceola	1,339	7	211	1,121	0	696	643	7	318
Oscoda	457	2	66	389	0	215	242	2	100
Otsego	834	2	218	614	205	441	188	2	326
Ottawa	5,868	24	1,579	4,265	297	3,984	1,587	34	2,296
Presque Isle	626	0	98	528	0	322	304	0	146
Roscommon	1,027	7	222	798	88	437	502	8	331
Saginaw	8,863	31	2,434	6,398	457	5,465	2,941	38	3,611
St. Clair	5,518	21	1,435	4,062	851	3,219	1,448	26	2,222
St. Joseph	2,774	14	752	2,008	0	1,407	1,367	17	1,145
Sanilac	1,626	15	332	1,279	0	882	744	16	531
Schoolcraft	315	2	66	247	0	108	207	2	97
Shiawassee	2,568	7	671	1,890	243	1,494	831	8	1,014
Tuscola	2,032	16	502	1,514	0	1,201	831	16	787
Van Buren	2,533	22	761	1,750	369	1,552	612	24	1,212
Washtenaw	12,432	37	3,219	9,176	1,605	7,789	3,038	38	4,577
Wayne	90,299	214	25,474	64,611	9,370	60,624	20,305	228	37,499
Wexford	1,401	14	335	1,052	0	531	870	18	520
TOTALS	397,224	1,452	105,797	289,975	32,517	251,624	113,083	1,632	156,318

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY

County	1983	1984	1985	1986	1987	5 Year Total
POPULATION UNDER 10,000						
Alcona	1	1	4	5	3	14
Alger	1	2	5	3	2	13
Baraga	3	3	7	3	3	19
Crawford	2	4	4	5	4	19
Keweenaw	1	0	0	1	1	3
Lake	5	0	4	3	3	15
Luce	3	3	1	1	2	10
Montmorency	2	3	3	2	2	12
Ontonagon	3	3	1	3	3	13
Oscoda	4	5	2	0	2	13
Schoolcraft	0	0	3	3	2	8
POPULATION 10,000-15,000						
Arenac	3	7	7	7	5	29
Benzie	5	2	2	0	6	15
Iron	1	3	0	3	1	8
Kalkaska	4	3	2	8	6	23
Leelanau	0	6	6	1	5	18
Mackinac	6	6	3	7	5	27
Missaukee	1	8	2	1	3	15
Otsego	6	5	8	4	2	25
Presque Isle	1	3	2	4	0	10
POPULATION 15,000-25,000						
Antrim	3	2	10	9	4	28
Charlevoix	5	6	4	2	8	25
Cheboygan	3	3	1	10	4	21
Clare	5	14	4	8	10	41
Emmet	5	7	12	5	4	33
Gladwin	4	9	1	3	5	22
Gogebic	7	4	1	2	6	20
Manistee	3	2	2	4	3	14
Oceana	6	8	3	3	8	28
Ogemaw	8	6	4	3	6	27
Osceola	8	6	6	8	7	35
Roscommon	4	6	4	10	8	32

MOTOR VEHICLE TRAFFIC DEATHS BY COUNTY (Continued)

County	1983	1984	1985	1986	1987	5 Year Total
POPULATION 25,000-50,000						
Alpena	6	1	6	8	8	29
Barry	12	10	14	20	23	79
Branch	15	7	8	10	10	50
Cass	13	19	7	18	17	74
Chippewa	2	7	3	1	6	19
Delta	7	4	7	3	9	30
Dickinson	6	4	3	9	5	27
Gratiot	8	11	12	4	17	52
Hillsdale	14	15	11	10	11	61
Houghton	6	5	6	3	3	23
Huron	2	14	13	7	5	41
Iosco	10	12	7	9	13	51
Mason	14	6	4	8	8	40
Mecosta	13	8	4	13	6	44
Menominee	4	3	4	12	3	26
Montcalm	12	16	9	17	18	72
Newaygo	12	4	11	19	10	56
Sanilac	8	7	8	12	16	51
Wexford	10	8	8	6	18	50
POPULATION 50,000-100,000						
Allegan	20	18	32	14	36	120
Clinton	14	20	13	17	11	75
Eaton	12	18	21	19	14	84
Grand Traverse	10	12	16	14	11	63
Ionia	17	12	14	17	18	78
Isabella	18	15	13	19	4	69
Lapeer	23	18	20	20	28	109
Lenawee	17	19	17	27	24	104
Marquette	11	8	9	7	13	48
Midland	11	6	10	21	18	66
Shiawassee	10	19	19	27	8	83
St. Joseph	11	21	25	9	17	83
Tuscola	10	15	17	19	16	77
Van Buren	11	17	15	17	24	84
POPULATION OVER 100,000						
Bay	11	19	16	28	24	98
Berrien	23	40	45	40	45	193
Calhoun	16	25	29	32	24	126
Genesee	56	86	70	103	79	394
Ingham	33	27	33	23	39	155
Jackson	28	25	23	33	28	137
Kalamazoo	21	26	37	34	30	148
Kent	68	64	74	64	85	355
Livingston	31	24	26	17	31	129
Macomb	65	105	87	103	92	452
Monroe	24	39	32	27	39	161
Muskegon	25	27	25	23	39	139
Oakland	117	132	161	130	132	672
Ottawa	19	29	22	36	34	140
Saginaw	30	45	39	39	38	191
St. Clair	23	41	32	39	26	161
Washtenaw	33	59	42	40	38	212
Wayne	226	224	272	254	228	1,204
TOTALS	1,331	1,556	1,569	1,632	1,632	7,720

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES
10,000 POPULATION AND OVER

City	1983	1984	1985	1986	1987	5 Year Total
POPULATION 10,000-15,000						
Albion.....	0	0	0	0	1	1
Alpena.....	3	0	0	2	0	5
Benton Harbor...	3	3	4	2	0	12
Beverly Hills...	1	0	1	1	1	4
Big Rapids.....	2	0	0	2	0	4
Center Line.....	2	4	0	0	1	7
East Grand Rapids	0	0	0	0	0	0
Ecorse.....	1	0	1	1	1	4
Escanaba.....	2	0	1	0	1	4
Farmington.....	0	0	0	0	0	0
Fraser.....	1	5	1	3	2	12
Grand Haven.....	0	0	2	1	1	4
Grandville.....	0	1	1	1	1	4
Grosse Pointe Farms	0	1	0	0	0	1
Grosse Pointe Park	0	2	0	0	0	2
Melvindale.....	1	2	0	0	0	3
Menominee.....	0	1	0	1	2	4
Muskegon Heights	1	1	1	3	1	7
Niles.....	0	1	2	3	0	6
Plymouth.....	1	0	0	0	0	1
River Rouge.....	0	0	1	4	0	5
Riverview.....	2	0	2	0	0	4
St. Joseph.....	3	0	0	0	0	3
Sault Ste. Marie	1	0	1	1	0	3
POPULATION 15,000-25,000						
Adrian.....	1	2	7	0	1	11
Berkley.....	1	1	0	0	0	2
Birmingham.....	1	0	2	1	0	4
Clawson.....	0	2	3	1	1	7
Grosse Pointe Woods	0	0	0	0	0	0
Hamtramck.....	0	0	2	5	1	8
Harper Woods....	0	2	0	0	1	3
Hazel Park.....	2	3	1	2	3	11
Holland.....	1	1	2	2	1	7
Marquette.....	3	1	3	2	1	10
Monroe.....	1	2	2	1	4	10
Mount Clemens...	2	2	3	2	4	13
Mount Pleasant..	2	1	2	1	0	6
Norton Shores...	3	3	1	2	6	15
Owosso.....	0	1	1	2	0	4
Romulus.....	9	6	9	10	8	42
Traverse City...	1	2	0	1	1	5
Trenton.....	0	1	3	3	1	8
Walker.....	4	2	4	5	5	20
Wayne.....	0	2	5	1	0	8
Ypsilanti.....	2	2	2	1	2	9

MOTOR VEHICLE TRAFFIC DEATHS IN SELECTED CITIES
10,000 POPULATION AND OVER (Continued)

City	1983	1984	1985	1986	1987	5 Year Total
POPULATION 25,000-50,000						
Allen Park	1	1	1	4	2	9
Battle Creek	4	9	8	7	3	31
Bay City	1	1	2	3	1	8
East Detroit	1	2	3	1	4	11
Ferndale	0	3	4	0	1	8
Garden City	1	6	1	0	2	10
Highland Park	0	3	7	8	5	23
Inkster	1	1	1	7	4	14
Jackson	2	0	4	1	3	10
Kentwood	4	3	3	1	5	16
Lincoln Park	8	5	1	4	0	18
Madison Heights	2	1	4	7	1	15
Midland	5	1	1	4	4	15
Muskegon	3	5	3	4	5	20
Oak Park	0	2	0	1	0	3
Port Huron	1	6	6	4	3	20
Portage	3	6	7	3	2	21
Southgate	5	3	1	3	3	15
Wyandotte	2	1	2	1	1	7
POPULATION OVER 50,000						
Ann Arbor	4	7	1	3	0	15
Dearborn	10	15	17	12	12	66
Dearborn Heights	4	5	3	8	6	26
Detroit	112	128	161	116	134	651
East Lansing	7	0	3	0	0	10
Flint	14	17	23	37	22	113
Grand Rapids	18	15	9	14	17	73
Kalamazoo	4	5	4	6	6	25
Lansing	10	9	11	8	15	53
Livonia	8	6	6	8	13	41
Pontiac	5	8	12	13	8	46
Roseville	4	5	5	3	9	26
Royal Oak	6	7	2	7	7	29
Saginaw	6	8	4	12	2	32
St. Clair Shores	6	9	3	4	6	28
Southfield	2	4	7	5	7	25
Sterling Heights	9	13	15	14	6	57
Taylor	13	2	8	16	6	45
Troy	12	9	15	8	1	45
Warren	11	23	14	25	11	84
Westland	10	8	5	10	5	38
Wyoming	2	4	9	7	3	25

DEATHS, INJURIES, AND ACCIDENTS BY LOCATION

Year	Statewide			Rural	
	Total	Urban	Rural	Trunk-line	County Road
DEATHS					
1968	2,392	703	1,689	865	824
1969	2,487	769	1,718	908	810
1970	2,177	662	1,515	746	769
1971	2,152	661	1,491	737	754
1972	2,258	737	1,521	743	778
1973	2,213	709	1,504	730	774
1974	1,875	640	1,235	533	702
1975	1,811	610	1,201	692	509
1976	1,955	691	1,264	569	695
1977	1,950	628	1,322	605	717
1978	2,076	677	1,399	641	758
1979	1,849	580	1,269	579	690
1980	1,774	601	1,173	518	655
1981	1,589	533	1,056	451	605
1982	1,417	484	933	422	511
1983	1,331	433	898	355	543
1984	1,556	486	1,070	450	620
1985	1,569	524	1,045	470	575
1986	1,632	541	1,091	434	657
1987	1,632	459	1,173	516	657
INJURIES					
1968	160,413	99,813	60,600	27,386	33,214
1969	175,400	114,409	60,991	27,790	33,201
1970	161,719	102,960	58,759	26,205	32,554
1971	157,664	99,762	57,902	25,890	32,012
1972	178,929	115,834	63,095	28,147	34,948
1973	169,485	108,170	61,315	25,599	35,716
1974	141,132	88,755	52,377	20,209	32,168
1975	147,299	91,573	55,726	21,053	34,673
1976	162,894	99,704	63,190	25,251	37,939
1977	166,389	99,612	66,777	26,927	39,850
1978	169,202	99,533	69,669	28,194	41,475
1979	162,571	97,167	65,404	26,171	39,233
1980	144,972	85,760	59,212	22,508	36,704
1981	136,455	80,736	55,719	21,431	34,288
1982	130,061	76,885	53,176	21,024	32,152
1983	135,811	80,792	55,019	21,457	33,562
1984	150,740	89,912	60,828	24,427	36,401
1985	157,417	94,355	63,062	25,628	37,434
1986	158,032	94,136	63,896	25,073	38,823
1987	156,318	90,763	65,555	26,890	38,665
ACCIDENTS					
1968	305,495	209,854	95,641	42,021	53,620
1969	331,223	231,375	99,848	44,131	55,717
1970	313,715	210,932	102,783	44,984	57,799
1971	314,015	204,095	109,920	48,941	60,979
1972	359,745	236,116	123,629	53,673	69,956
1973	350,864	228,660	122,204	50,431	71,773
1974	324,763	210,716	114,047	43,396	70,651
1975	333,560	213,934	119,626	44,707	74,919
1976	365,600	232,293	133,307	52,401	80,906
1977	374,751	232,322	142,429	55,813	86,616
1978	389,193	239,201	149,992	58,582	91,410
1979	366,435	226,717	139,718	54,759	84,959
1980	314,594	189,285	125,309	46,853	78,456
1981	302,831	180,528	122,303	46,378	75,925
1982	294,971	176,752	118,219	45,222	72,997
1983	300,797	178,906	121,891	46,387	75,504
1984	335,193	198,846	136,347	53,865	82,482
1985	386,904	231,318	155,586	62,087	93,499
1986	400,694	236,626	164,068	64,023	100,045
1987	397,224	229,669	167,555	66,427	101,128

MOTOR VEHICLE TRAFFIC DEATHS IN MICHIGAN BY MONTH

Year	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total
1942.....	139	114	89	96	129	92	120	125	146	109	87	79	1,325
1943.....	59	51	79	44	75	89	82	67	110	118	96	122	992
1944.....	130	100	81	82	49	57	59	95	68	97	116	100	1,034
1945.....	71	60	85	78	74	71	94	88	118	160	131	120	1,150
1946.....	107	98	121	88	110	106	119	130	123	143	160	165	1,470
1947.....	86	86	85	113	124	114	134	149	134	142	145	135	1,447
1948.....	89	64	92	109	125	118	138	134	150	133	165	195	1,512
1949.....	101	82	106	91	110	99	116	138	169	144	149	136	1,441
1950.....	105	84	87	139	122	125	153	152	157	174	154	153	1,605
1951.....	131	103	103	117	119	137	170	163	158	146	160	133	1,640
1952.....	81	121	125	94	145	169	140	184	181	152	166	178	1,736
1953.....	139	116	136	132	134	173	176	183	187	187	167	175	1,905
1954.....	130	126	100	119	149	132	182	167	168	167	153	200	1,793
1955.....	134	117	116	160	157	192	169	209	160	204	208	190	2,016
1956.....	166	136	132	140	133	115	149	159	169	144	145	158	1,746
1957.....	121	98	118	118	130	122	127	152	123	143	135	161	1,548
1958.....	94	90	95	89	92	112	120	134	132	113	165	146	1,382
1959.....	76	69	91	126	126	124	148	128	155	125	144	161	1,473
1960.....	139	76	102	105	107	133	159	154	137	186	152	154	1,604
1961.....	105	99	113	138	133	114	141	166	128	139	148	143	1,567
1962.....	94	70	115	110	123	147	166	175	170	172	118	114	1,574
1963.....	107	95	124	142	148	173	188	177	163	179	196	195	1,887
1964.....	170	159	158	144	164	167	217	197	177	199	177	193	2,122
1965.....	153	113	135	143	156	181	211	220	193	214	172	245	2,136
1966.....	147	156	179	151	207	204	212	206	203	220	205	208	2,298
1967.....	130	105	141	162	187	140	210	189	223	230	216	204	2,137
1968.....	130	147	164	150	240	214	208	233	209	248	283	166	2,392
1969.....	137	158	173	169	239	236	218	254	230	236	219	218	2,487
1970.....	167	143	160	141	214	205	197	204	213	217	178	138	2,177
1971.....	137	124	155	144	187	212	222	227	155	209	202	178	2,152
1972.....	156	161	155	150	204	209	225	210	225	219	174	170	2,258
1973.....	187	156	173	140	180	230	225	201	204	209	171	137	2,213
1974.....	111	112	107	116	144	197	189	178	200	195	201	125	1,875
1975.....	120	97	112	93	149	169	195	203	190	162	161	160	1,811
1976.....	118	102	134	150	163	169	196	227	189	171	174	162	1,955
1977.....	126	87	122	143	184	179	223	194	164	189	181	158	1,950
1978.....	98	104	128	177	178	203	206	229	214	199	183	157	2,076
1979.....	102	103	129	152	146	155	190	171	174	187	171	169	1,849
1980.....	117	131	109	116	153	170	142	183	192	152	133	176	1,774
1981.....	99	100	108	116	116	155	159	171	149	155	113	148	1,589
1982.....	98	79	93	91	114	121	154	153	128	144	131	111	1,417
1983.....	113	94	83	91	91	127	121	117	131	153	115	95	1,331
1984.....	93	84	104	94	125	143	175	174	135	153	134	142	1,556
1985.....	108	91	77	133	137	167	146	136	131	135	161	147	1,569
1986.....	86	77	103	127	131	175	186	176	131	144	159	137	1,632
1987.....	91	104	99	106	138	165	151	176	149	164	161	128	1,632

TREND DATA FOR FATAL ACCIDENTS

Trend Data	1983	1984	1985	1986	1987
AGE OF PERSONS KILLED, TOTAL					
0 - 4 years	23	29	35	28	46
5 - 9 years	35	37	57	32	38
10 - 14 years	47	54	55	61	56
15 - 19 years	222	249	216	268	273
20 - 24 years	232	242	238	251	217
25 - 34 years	269	330	317	316	370
35 - 44 years	152	168	182	190	200
45 - 54 years	109	113	119	119	103
55 - 64 years	80	121	121	104	109
65 - 74 years	65	110	104	118	106
75 years and over	95	101	124	143	111
Not Stated	2	2	1	2	3
TOTALS	1,331	1,556	1,569	1,632	1,632
AGE OF PERSONS KILLED, PEDESTRIANS					
0 - 4 years	9	7	6	7	6
5 - 9 years	18	18	26	20	21
10 - 14 years	15	12	16	19	16
15 - 19 years	34	29	25	25	14
20 - 24 years	26	13	18	21	19
25 - 34 years	39	50	42	36	44
35 - 44 years	23	27	33	24	28
45 - 54 years	12	21	13	17	17
55 - 64 years	20	27	24	19	25
65 - 74 years	15	20	18	24	10
75 years and over	30	25	29	25	31
Not Stated	0	1	1	2	1
TOTALS	241	250	251	239	232
AGE OF DRIVERS INVOLVED					
15 years and under	11	13	15	23	25
16 years	41	49	65	53	58
17 years	56	73	69	78	93
18 - 19 years	141	184	170	174	176
20 - 24 years	344	384	408	399	343
25 - 34 years	464	556	548	559	633
35 - 44 years	249	301	318	348	343
45 - 54 years	162	173	188	191	189
55 - 64 years	124	150	159	159	148
65 years and over	135	174	185	211	203
Not Stated	37	58	64	39	51
TOTALS	1,764	2,115	2,189	2,234	2,262
PEDESTRIAN ACTION					
Crosssing at intersection	32	47	51	59	55
Cross not at intersection	98	88	96	96	82
In road with traffic	23	23	25	15	14
In road against traffic	9	6	3	8	2
Standing or lying in road	48	39	12	14	16
Pushing/working on vehicle	4	3	4	5	3
Other working in road	0	0	1	3	3
Playing in road	0	0	1	1	0
In road for other reason	8	10	24	15	22
Not in road	18	24	18	14	16
Other or not stated	1	10	16	9	19
TOTALS	241	250	251	239	232

FATAL ACCIDENTS AND PERSONS KILLED FOR SELECTED HOLIDAY PERIODS IN MICHIGAN

Holiday	Fatal Accidents	Persons Killed
MEMORIAL DAY		
1987 (3).....	15	16
1986 (3).....	14	16
1985 (3).....	18	23
1984 (3).....	14	18
1983 (3).....	11	13
FOURTH OF JULY		
1987 (3).....	18	18
1986 (3).....	23	23
1985 (4).....	15	17
1984 (1).....	8	8
1983 (3).....	21	22
LABOR DAY		
1987 (3).....	27	32
1986 (3).....	18	21
1985 (3).....	14	17
1984 (3).....	17	19
1983 (3).....	17	17
THANKSGIVING		
1987 (4).....	21	26
1986 (4).....	15	17
1985 (4).....	22	23
1984 (4).....	18	19
1983 (4).....	11	12
CHRISTMAS		
1987 (4).....	6	8
1986 (2).....	9	9
1985 (2).....	7	9
1984 (4).....	18	20
1983 (3).....	5	5
NEW YEARS		
1987 (4).....	14	17
1986 (2).....	7	8
1985 (2).....	4	5
1984 (4).....	25	25
1983 (3).....	8	8

Summary for 1987

This schedule shows traffic death tolls in Michigan for the past five years for the major holiday periods.

Based on the total 1987 experience, deaths averaged 4.5 per day.

All weekend deaths, Saturdays and Sundays, plus six hours of the preceding Fridays, totaled 696 which is an average of 13.4 deaths per weekend.

From experience, it is evident that Michigan's highways have their share of tragedies.

Figures in parentheses show number of full days in each holiday period. Deaths are for these days plus the last six hours of the preceding day.

MOTOR VEHICLE TRAFFIC ACCIDENT AND RELATED DATA

Year	Deaths	Injuries	Accidents	Estimated Mileage (Millions)	Motor Vehicle Registrations*	Death Rate**
1943	992	21,988	71,450	10,530.0	1,542,798	9.4
1944	1,034	23,401	72,013	10,651.0	1,505,246	9.7
1945	1,150	27,755	83,160	11,915.6	1,483,466	9.7
1946	1,470	34,479	110,631	16,191.1	1,619,541	9.1
1947	1,447	38,195	137,619	17,661.1	1,850,274	8.2
1948	1,512	40,892	140,172	19,069.2	2,030,685	7.9
1949	1,441	41,197	143,197	19,990.4	2,203,375	7.2
1950	1,605	45,734	161,750	21,494.5	2,439,593	7.5
1951	1,640	48,418	176,587	22,668.1	2,560,652	7.2
1952	1,736	49,119	160,829	23,093.1	2,586,834	7.5
1953	1,905	57,834	184,174	25,346.9	2,808,921	7.5
1954	1,793	56,444	185,534	26,041.2	2,889,740	6.9
1955	2,016	62,234	196,812	28,282.5	3,149,323	7.1
1956	1,746	61,158	197,995	28,429.3	3,173,704	6.1
1957	1,548	60,067	191,915	29,252.2	3,256,150	5.3
1958	1,382	57,767	177,934	29,411.3	3,157,441	4.7
1959	1,473	64,873	198,771	30,679.0	3,252,492	4.8
1960	1,604	91,026	209,724	31,842.4	3,352,234	5.0
1961	1,567	93,350	199,973	32,101.5	3,395,736	4.9
1962	1,574	108,143	233,078	34,498.0	3,498,758	4.6
1963	1,887	126,896	261,794	36,452.2	3,646,080	5.2
1964	2,122	144,623	284,444	38,617.6	3,860,791	5.5
1965	2,136	155,258	310,598	40,857.4	4,066,826	5.2
1966	2,298	156,694	302,880	43,940.1	4,133,199	5.2
1967	2,137	151,297	299,004	45,053.6	4,161,573	4.7
1968	2,392	160,413	305,495	48,047.4	4,327,885	5.0
1969	2,487	175,400	331,223	50,904.9	4,560,097	4.9
1970	2,177	161,719	313,715	53,148.1	4,683,919	4.1
1971	2,152	157,664	314,015	55,539.7	4,835,146	3.9
1972	2,258	178,929	359,745	57,817.1	5,160,985	3.9
1973	2,213	169,485	350,864	58,478.4	5,442,233	3.8
1974	1,875	141,132	324,763	55,748.7	5,652,406	3.4
1975	1,811	147,299	333,560	56,260.5	5,744,441	3.2
1976	1,955	162,894	365,600	61,638.0	5,861,908	3.2
1977	1,950	166,389	374,751	64,853.0	6,138,732	3.0
1978	2,076	169,202	383,193	67,380.0	6,436,365	3.1
1979	1,849	162,571	366,435	64,882.3	6,536,246	2.8
1980	1,774	144,972	314,594	61,190.1	6,570,735	2.9
1981	1,589	136,455	302,831	62,000.0	6,140,286	2.6
1982	1,417	130,061	294,971	61,321.0	6,400,942	2.3
1983	1,331	135,811	300,797	63,560.1	6,443,499	2.1
1984	1,556	150,740	335,193	65,727.0	6,509,192	2.4
1985	1,569	157,417	386,904	68,413.0	6,857,364	2.3
1986	1,632	158,032	400,694	70,622.0	6,952,263	2.3
1987	1,632	156,318	397,224	75,715.0	7,061,339	2.2

*Excludes trailers and trailer coaches.
**Deaths per 100 million miles of travel.